FINAL COATINGS | EWI | MINERAL RENDERS | RENOVATION

INSULATION FIRST

For Protection and Cosiness

baumit.com

- **Cosy Living Temperature**
- **Healthy Humidity**
- **Mould Prevention**

Baumit. Ideas with future.

Baumit and healthy living

Our health is founded on three well-known pillars: nutrition, exercise and lifestyle. With each of these pillars we improve our health. Our lifestyle is directly linked to our living space. This can be optimally designed with the right building design and the right building materials.

HEALTHY LIVING

Indoor climate & health

The term 'indoor climate' describes the interaction of various influencing factors in interiors, which can affect our quality of life, comfort and, consequently, the health of people. As well as temperature and air humidity, there are other factors that affect the indoor climate.

1. Temperature

How warm or cold we find a room depends on the perceived temperature, which is determined by two factors: the air temperature and the surface temperature (thermal radiation).

2. Air humidity

In order to feel comfortable indoors, in addition to the right room temperature, you also need the right amount of air humidity. The most pleasant humidity is between 40 and 60%.

"We want people to live in healthy, energy-efficient and beautiful homes."

HEALTHY LIVING

3. Mould
If air humidity is too high, it can lead to the formation of mould. This increases the risk of respiratory diseases and infections and can cause allergies. Mould is one of the most dangerous factors affecting healthy living.

4. Noise
Noise and annoying sounds are disturbing and it is considered to be one of the greatest environmental stress factors that can have a negative impact on well-being and recuperation.

5. Emissions
A variety of sources of polluting emissions can adversely affect the quality of indoor air. These include construction products, furniture and other furnishings, which can often continuously release chemical substances (VOCs) .

6. Odour
Unwanted odours caused by building materials are not only annoying but in the worst case, can also lead to health complaints such as headaches, tiredness or irritation.

7. Light
Bright, light-filled living spaces are vitally important for health and a positive mood.

VIVA – The Baumit Research Park

Construction methods and building materials have a significant impact on health and well-being. Viva - the Baumit Research Park - was developed as the largest research project in Europe for comparing different building materials and construction methods.

VIVA RESEARCH PARK

- **Europe's largest comparative research project into building materials**
- **1.5 million measured data points per year**
- **Analysis by external research partners**

Baumit has been focussing on the subject of "healthy living" for more than 25 years and has launched numerous innovative products onto the market in this field.
However, in the course of this intensive study, it became clear that there are currently few scientifically substantiated conclusions about the effects of building materials on health and well-being. Therefore, in 2015 a unique Europe-wide research project was launched.

VIVA RESEARCH PARK APPROVED

baumit.com

VIVA RESEARCH PARK

Research and discovery

On a site next to the Friedrich Schmid Innovation Centre in Austria, there are now 12 research houses built using different construction methods – ranging from solid construction, concrete and solid brick to timber and lightweight timber frame constructions. These have been covered with various interior and exterior coatings. The houses have an internal dimension of 3 x 4 metres. They each have a window and a door. All the houses have the same external climatic conditions and the same U-value (heat transfer coefficient). For the building materials, contemporary products that are available on the market were deliberately chosen. This provides a real-life illustration of the range of possible construction methods that house builders may encounter.

Habits and user behaviour

In the houses, user behaviour is simulated: for example, the ventilation habits and the occurrence of moisture due to showering, cooking or sweating can be replicated. There are over 30 sensors in each house, which record a wide range of physical parameters around the clock. The different building materials used are examined for toxicological interactions, well-being, comfort and effects on health. The measured data is recorded and stored via computer control at an in-house measuring station.

Scientifically proven

To be absolutely certain, the results are also subjected to an external analysis by our research partners, including the Austrian Institute for Building Biology and Ecology (IBO), the University of Applied Sciences Burgenland and MedUni Vienna. Only when we know exactly what impact building materials have on the indoor climate are we able to develop our products to be even safer and healthier.

Healthy Living

After two years of intensive research analysing and evaluating 5 million data points, it is clear that construction methods and building materials have a significant impact on health and quality of life. Regardless of which architecture you choose when building a house, all houses have one thing in common. In order to create a healthy building, the following three areas have to be taken into account:

INSULATION FIRST

PROTECTION AND COSINESS

Good thermal insulation not only makes a significant contribution to the energy efficiency of your building, but also ensures pleasantly warm walls in winter and pleasantly cool walls in summer. The living space thus becomes a comfortable space with no draughts. Living becomes more comfortable and healthy.

INSULATION
FIRST

SOLIDITY COUNTS

SAFETY AND COMFORT

Solid walls, as well as solid ceilings and floors, can be externally protected with good thermal insulation so they store heat in the winter and keep the coolness in the house in summer. The more mass, the more effective the storage and the more stable, pleasant and healthy the indoor climate.

SOLIDITY
COUNTS

INTERIOR VALUES

NATURAL AND HEALTHY LIVING

A good mineral plaster system can act as a buffer for any peaks in humidity by absorbing excess moisture into the first few centimetres and releasing it again later. This guarantees a constant level of humidity, ensuring a healthy indoor climate.

INTERIOR
VALUES

What is complete thermal insulation?

The most effective method for creating a healthy living space is to efficiently insulate the façade. The better the insulation, the more comfortable it will be. This is good for our health and reduces energy consumption.

EXTERNAL WALL INSULATION SYSTEMS

Efficient thermal insulation

A complete thermal insulation system or external wall insulation system (EWI), is a system consisting of tested components for insulating the exterior of buildings. It represents an excellent long-term investment in your house. You benefit immediately from a better quality of life and reduce your energy costs from the very first hour.

A complete system

Baumit offers high-quality Baumit EWI systems consisting of efficient insulating materials, proven adhesives and innovative topcoats. External wall insulation systems protect your walls from external influences and ensure a stress-free, dry wall structure. But above all, good insulation keeps the inside temperature consistent.

Warm in winter - cool in summer

In the summer, it provides optimal thermal protection and keeps the walls from overheating. In the winter, it helps the walls to stay warm. High-quality plaster systems are then applied that protect against weathering. Baumit EWI systems are low-maintenance and preserve the value of your home. For existing buildings, thermal refurbishment provides an efficient way to reduce energy costs, increase comfort, and contribute to healthy living.

BENEFITS

With efficient thermal insulation, the walls are kept warm during the cold months and in summer, the insulation acts as a natural air conditioning system.

However, optimal insulation not only affects the room temperature. A well-insulated façade also has a positive effect on convection, air humidity and mould prevention.

1. Room temperature
Warm in winter, cool in summer. The right room temperature turns the living room into a well-being room. Living becomes more comfortable and healthy.

2. Convection
Thermal insulation ensures the walls stay warm. This helps to counter unpleasant draughts caused by thermal currents (convection).

3. Air humidity
Good thermal insulation reduces heating costs and has a positive effect on air humidity, creating a balanced and healthy indoor climate.

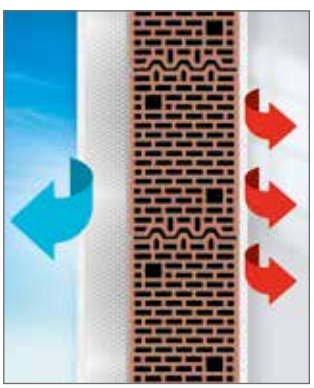
4. Mould formation
The right insulation prevents thermal bridges. This helps to stop the formation of condensation, preventing mould from forming.

5. Energy savings
A good external wall insulation system will save you up to 50% on heating costs - for a lifetime.

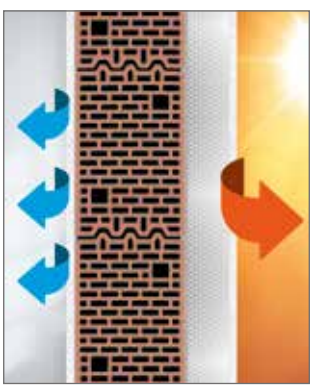
6. Construction cost savings
As well as saving on heating costs, the use of EWI systems can also save on construction costs due to their lean design. In addition, EWI systems are virtually maintenance-free.

7. Design
The EWI systems from Baumit offer almost unlimited design possibilities in terms of the style, structure and colour.

In winter you save on heating costs...



...and in summer on air conditioning!



1. Room temperature

NOT TOO HOT AND NOT TOO COLD

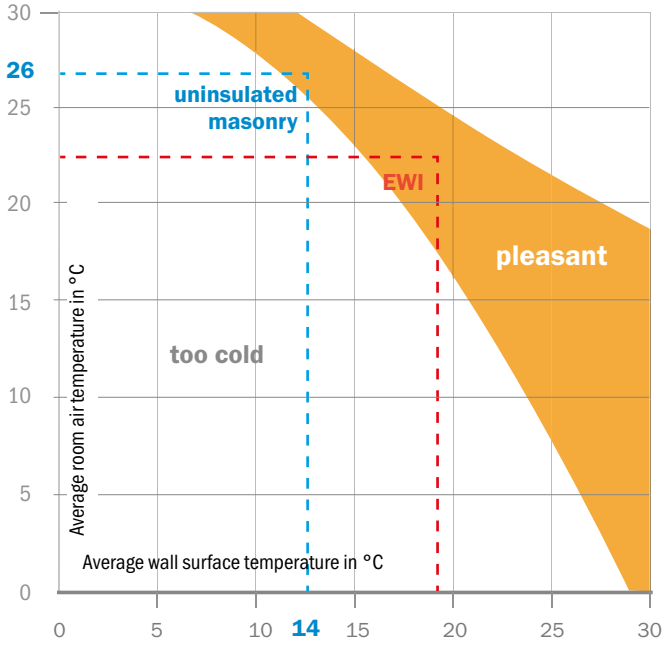
Comfort zone

How warm or cold we find a room depends on the perceived temperature (operative temperature), which is determined by two factors: the air temperature and the surface temperature of the interior walls (thermal radiation).

Air and surface temperature

The air temperature is the temperature of the air that surrounds people in a room. On the other hand, the surface temperature refers to the temperature of the surrounding surfaces – such as walls, ceilings, floors and furniture. When the exterior walls are well insulated, the surface temperature of the wall is close to the indoor air temperature, even in winter. If there is no thermal insulation, the surface temperatures in winter remain well below the indoor air temperature, even after prolonged heating. This has a noticeable effect on comfort. In order to feel comfortable, the room temperature has to be increased substantially and this in turn affects the heating costs.

With EWI, temperature of room 22 °C and wall 19 °C
Without EWI, temperature of room 26 °C and wall 15 °C



When the surface temperature of the external walls is higher, we feel comfortable even at a lower room temperature. This saves money and helps the environment.

2. Convection

COLD WALLS CAUSE DISCOMFORT

Air currents

Most people find it pleasant and comfortable when the difference between the air temperature and the surface temperature of the wall is no more than 3 °C.

Temperature differences in the room

If the difference between the room air temperature and the wall temperature is greater than 3 °C, it leads to unpleasant air currents caused by warm air rising, followed by cold air - known as convection.

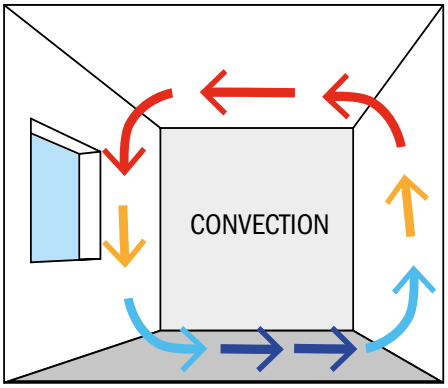
The cooling of the room air on the wall surfaces is reduced by thermal insulation. The creation of cold air layers on the floor is also reduced and the comfort increases without the need for additional heating.

Different comfort zones

Different optimum temperatures are recommended for different rooms. It should be cooler in the bedroom, but warmer in the living room and bathroom.

Which temperature for which room?

Room	Optimum temperature
Living rooms and work rooms	20 – 22 °C
Bedroom	17 – 18 °C
Children's room	20 – 22 °C
Kitchen	18 °C
Bathroom	23 °C
Cellar	10 – 15 °C



Cold outer walls lead to stronger convection.

3. Air humidity

GOOD AIR. GOOD MOOD

The right room temperature

In order to feel comfortable indoors, in addition to the right room temperature, you also need the right air humidity. A relative humidity of between 40 and 60% is the most pleasant indoor climate.

Low air humidity – less than 30% – causes the mucous membranes of the nose and throat to dry out and also leads to dry eyes. It also causes wooden floors and furniture to dry out more, encouraging more dust to form. In addition, bacteria and viruses can remain suspended in dry air for longer. This, and the drying out of the mucous membranes, increases the risk of infection for people and animals.

High humidity

If the humidity is too high, the air can become unable to adequately absorb the moisture dispersed in the room. Moisture condenses on the walls and in cool corners of the room, especially during cold weather, and can lead to the formation of mould. In winter, therefore, the relative humidity should not exceed 60% for long periods.

People themselves produce the most humidity in the home. In a 4-person household about 3.65 litres of water is released as a result of cooking, showering, breathing, drying clothes and house plants.

Impact on health

Excessive air humidity can have huge effects on health. The connection between moisture damage in houses and health complaints is undisputed. The presence of damage caused by moisture such as mould increases the risk of developing asthma by 50% and the risk of allergies by 30%.

EXTERNAL WALL INSULATION REGULATES HUMIDITY

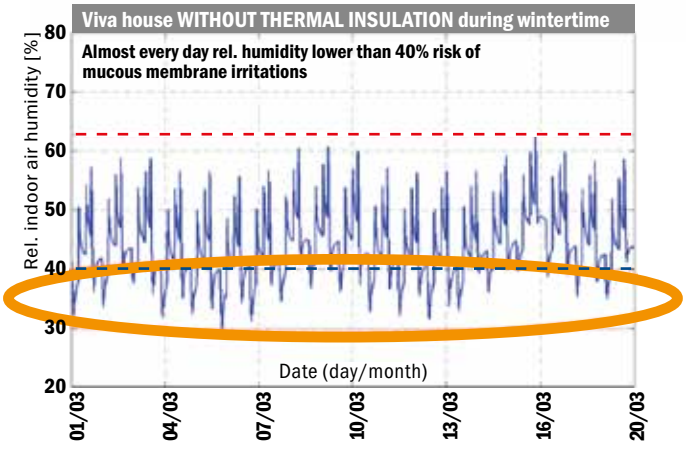
Regulation with EWI

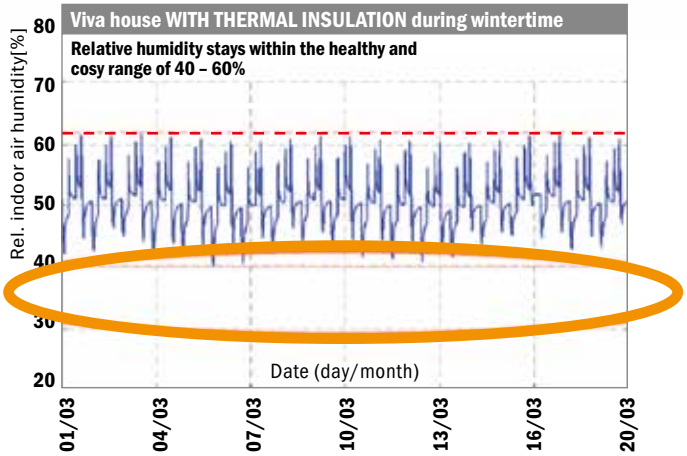
Thermal insulation clearly has a positive effect on relative humidity, by creating a balanced room climate.

Measurements by the scientists at the Viva Research Park show that an insulated brick house remains in the healthy air humidity range during the heating season, while an uninsulated house drops into the 'at risk region' below 40%. This means that dry mucous membranes and the associated risk of infection can be avoided in an insulated home. (see comparative graphs)

This occurs because in an uninsulated house the external walls cool down more in winter, causing the inside surface temperature of the walls to also decrease.

In order to overcome this and achieve a comfortable room temperature throughout the room, the room temperature in uninsulated houses has to be significantly higher. This reduces the level of comfort due to increased convection on one hand, and at the same time, more heating is constantly required to compensate for the exchange of heat with the cool walls. These increased heating cycles lead to a reduction in humidity because warm air can absorb more moisture, causing the relative humidity to decrease.





4. Mould formation

EFFECT ON HEALTH

Development and impact

Warm walls prevent moisture from condensing, thereby preventing the formation of harmful mould. Good thermal insulation is therefore essential to create a healthy, mould-free indoor climate.

Mould spores are always present inside houses. However, mould only grows if the spores encounter a moist surface. These arise when moisture dispersed in the room can no longer be adequately absorbed by the air, causing it to condense on the walls or in cool corners of the room. This moisture creates the perfect breeding ground for mould spores, resulting in a visible mould infestation.

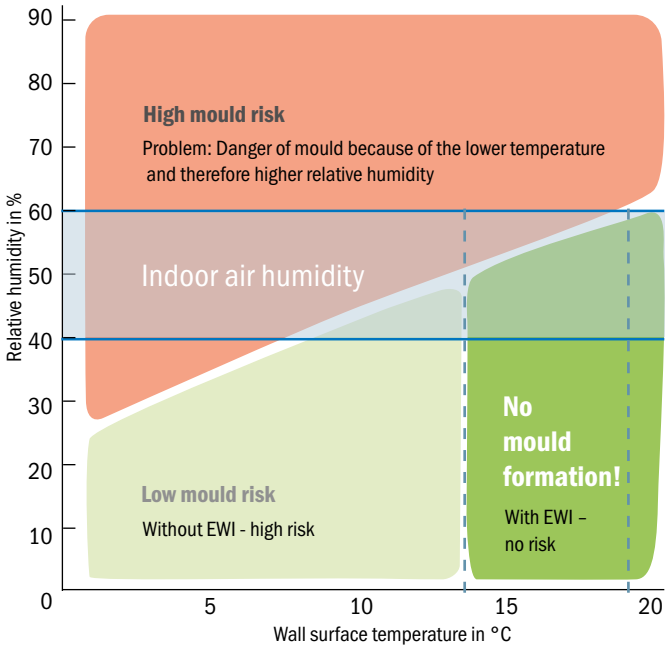
How dangerous is mould in the home?

Mould fungus can pose a health hazard if the spores are inhaled in large numbers. Basically, all moulds are capable of causing allergic reactions, such as hay fever (runny nose, eye irritation, sneezing). If you live in a damp, mouldy home, you also have an increased risk of respiratory diseases and infections, as well as an exacerbation of an existing asthma condition.

IDEAL INDOOR CLIMATE

Thermal insulation to prevent mould

The surface temperature on the inside of insulated walls is usually between 17 and 19°C. Condensation is not usually produced at these temperatures. Only when the wall temperature is less than 14°C, combined with air humidity of more than 50%, does it become critical.

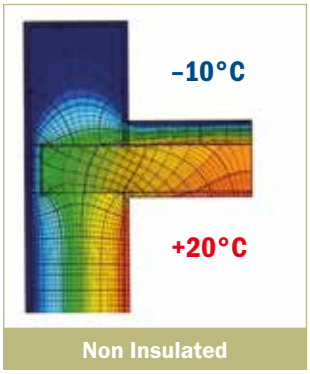


Thermal bridges

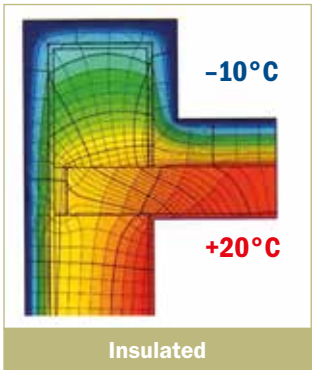
Thermal bridges are created when building materials have different thermal conduction properties or as a result of design flaws. They not only increase the amount of heating required, but can also lead to mould formation due to the lower internal surface temperatures. In addition, the condensation can cause damage to the fabric of the building.

The right building materials

The right choice of plastering system can support your recuperation and healthy living. The high lime content of Baumit Klima systems means they are alkaline, climate-regulating and natural, and have a mould-inhibiting effect. Baumit Klima is a responsible choice for the health of the whole family.



Non Insulated



Insulated

5. Energy Saving

PAY LESS FOR DECADES

Save with a System

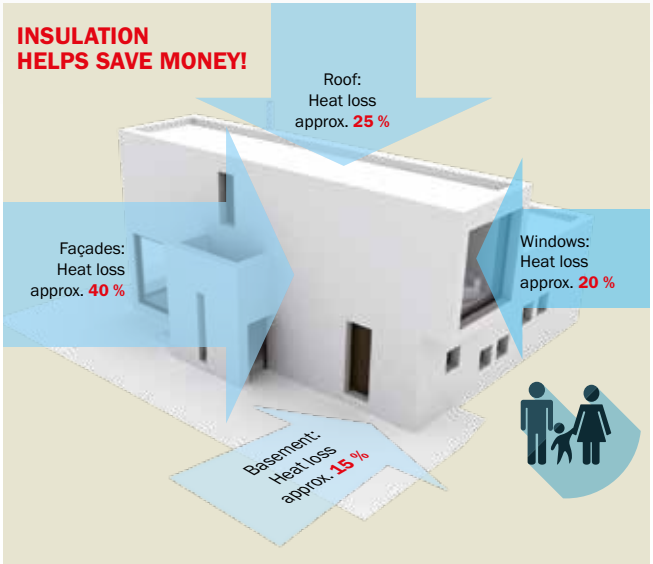
Badly insulated and uninsulated buildings in particular allow much of the expensively generated heat to escape out via the roof and the façades. With the correct insulation, not only will there be an enormous improvement on comfort, as an approximate rule of thumb, the older the house, the higher the potential energy savings on heating.

Make smart improvements

Therefore, anyone who wants to save energy has to implement efficient energy-saving improvements. Façade insulation plays a key role here, as enormous heat losses arise in this area. A well insulated house reduces heating costs. However, insulating the façade should not be the only improvement measure. An uninsulated roof or a basement ceiling without insulation also results in high heat losses.

Save effciently

Heating systems should also be up to date so that it provides heat efficiently. Carrying out these measures in addition to façade insulation enables significantly higher energy savings to be achieved. Minimise heating costs during the winter months and reduce air conditioning during the summer months, thus saving energy in two ways. You can reduce your energy costs by 50% by making thermal improvements to your home. If you are building a new house, it is even possible to build a Passive House or zero energy house, thereby reducing operating costs to a minimum.



6. Construction cost savings

PREVENT AND PROTECT

Save from the beginning

Thinking about the right external wall insulation system during the planning process of a house, can not only save lots of time and trouble after construction but also money when it comes to building costs.

An EWI System makes it possible to slim down the thickness of the masonry. So instead of 50cm bricks, the more economical 25cm size can be used, which helps to reduce construction costs.

Opting for an EWI System does not only help to save money in the short-term but also in the long-term as it protects the masonry underneath and requires less maintenance. Uninsulated walls allow cold to penetrate the brickwork and allow heat to quickly escape in the opposite direction. These extreme temperature differences lead to stress on the wall, which not only has a negative effect on the indoor temperature but can also damage the building fabric in the long-term. However, the use of heat insulation can be an effective counter to these developments.

Building wisely

A layer of reinforcement and the final wall coating provides immunity to seasonal temperature fluctuations and also driving rain. The brickwork is protected from moisture from the outside, which in combination with frost can lead to cracks in the render and further damage.

Protection against mould

Mould on interior walls can also result in long-term damage to the building fabric. An EWI System comes to the rescue in this instance as well. This is because, in insulated buildings, moisture no longer accumulates on the walls.

7. Design

TOPCOATS

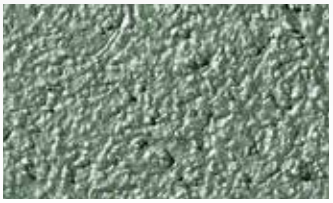
Functional and individual

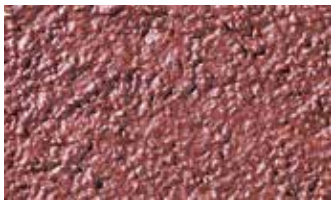
Baumit external wall insulation systems offer almost limitless design freedom when it comes to the external appearance of the façade. Whether you opt for a unique colour concept or creative texturing, the topcoat solutions from Baumit have everything you need.

Baumit topcoats are proven to last for decades. Not only do they protect the façade from moisture and mechanical and thermal stresses, they also enable houses to keep their initial shine for many years.

Baumit tops and colours

When choosing façade renders or façade paints, be creative and choose your favourites from 888 colour shades, create highlights with glitter or metallic shades and/or be creative with special surface textures.





PREMIUM TOPS AND COLOURS

Baumit Premium Products

Premium tops and colours offer protection against organic contaminants, provide active self-cleaning of the surface and keep the colour of the façade long-lasting, beautiful and vibrant. Baumit premium products are easy and quick to apply with a perfect constant texture and finally allow the use of dark and deep shades even on large areas of insulated façades.

Baumit Nanopor

Thanks to the smooth surface in its microscopic struture and the power of light, Baumit NanoporTop and NanoporColor have an active self-cleaning capability. The result is a dirt resistant surface that stays beautiful for a long time.

Baumit Star

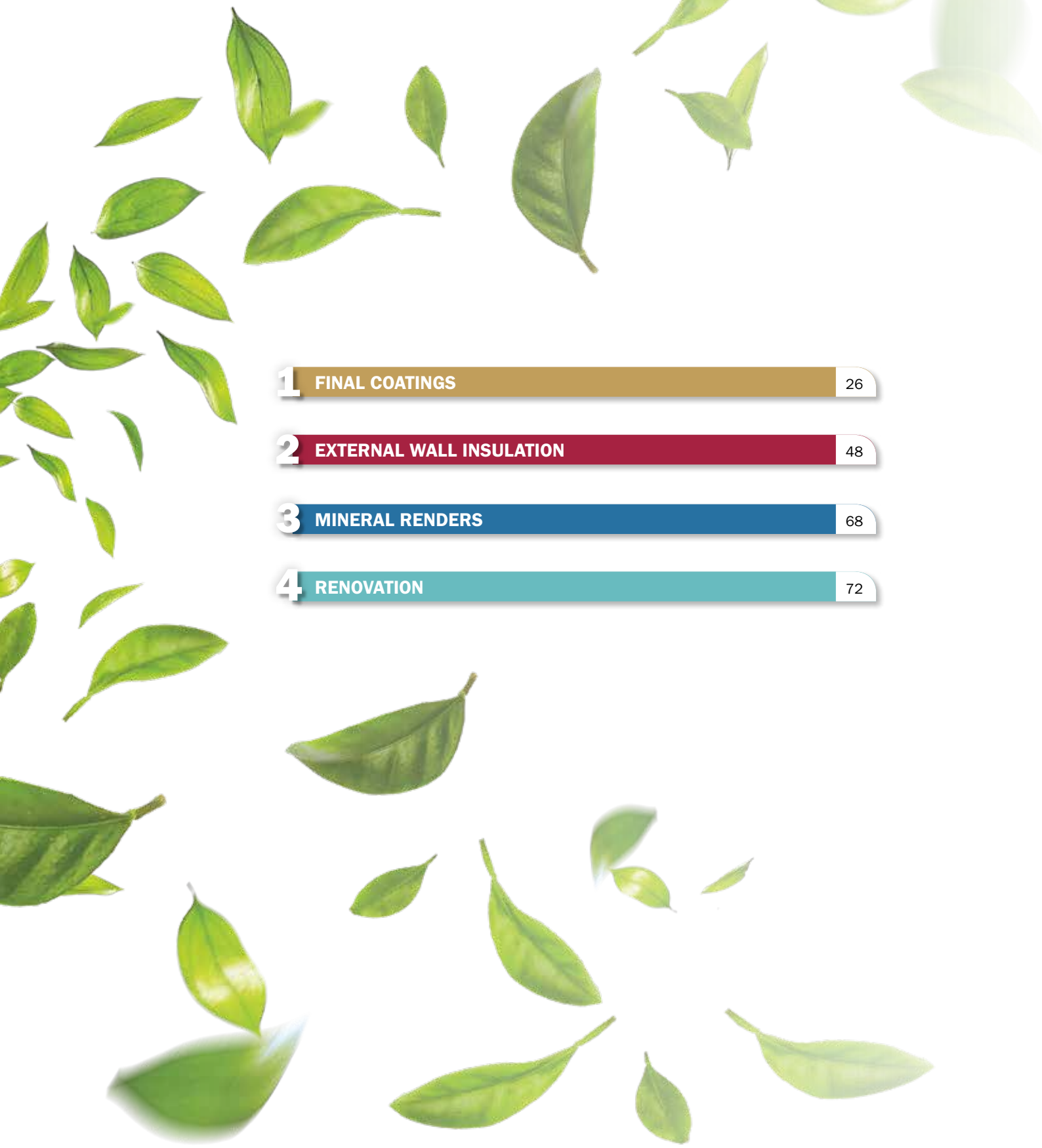
The next generation of Baumit StarTop silicone resin render features a new filler. The structure is similar to coral and has a large surface area with lots of tiny cavities and pores, resulting in a very **quick and broad distribution** of water lying on the surface.

Baumit Pura

This product perfectly enhances the character of your façade. The improved binding of the pigment leads to a uniquely high colour stability, which enables intense and brilliant colour shades. Combined with the **cool pigment technology** from Baumit, PuraTop and PuraColor make it possible to apply even dark colours on the entire surface of your EWI System.

INSULATION FIRST
PRODUCTS & SYSTEMS

baumit.com



Beautiful and individual façades – for a lifetime

Baumit topcoats are proven to last for decades. They reliably protect your façade from environmental influences such as moisture and heat, as well as from algae and mould. Create designs that are as attractive and individual as life itself!

WORLD OF LIFE

Welcome to the World of Life! Welcome to Baumit! Immerse yourself in a world of emotion and creativity. Baumit LIFE is more than just Europe's most comprehensive colour system for façades. It promotes individuality and breathes life into anonymous buildings. Colour can excite or calm, it can create a welcoming or stimulating atmosphere; it provides character and affects our emotions. Make the most of the power and magic of colour to create your own unique look.

Baumit Final Coatings

What gives you all possibilities for designing a façade?

9 reasons to choose a Baumit final coating:

1. Strong protection for the building
2. The most innovative colour system for façades
3. Durable and beautiful
4. Strong and safe
5. Advanced technologies
6. Ready to use products
7. Individual and creative
8. The right solution for every substrate
9. Proven to last for decades

FUNCTION – TOP OF TECHNOLOGY

Baumit topcoats are not only easy to use and attractive, they also provide the right solution for every problem. From built-in self-cleaning technology using photocatalysis and nanotechnology to especially intense and long-lasting colours for use with EWI systems using cool pigments, Baumit topcoats are real all-rounders and fulfil every requirement.

TIP: All Baumit façade paints are suitable for the airless spraying technique for super-fast application!

DESIGN – EXPRESSING CREATIVITY

The individual appearance of your façade does not just come down to colour. Think creatively and give the render a unique texture. Whether you opt for a grooved, fine, course or smooth finish, Baumit allows you to create your “perfect render”.

Want something even more unique? With Baumit’s special effect coatings, you can add elegant touches to your façade. Eye-catching colours, a metallic sheen or a glittering sparkle; Baumit special effect coatings give expression to creativity, uniqueness and imagination.

Benefits Tops & Colours

AIRLESS SPRAYABLE

INTENSE COLOURS

For more details, see page 36

COVERAGE

COOL PIGMENTS

For more details, see page 37

FUNCTION

Benefits

AIRLESS SPRAY APPLICATION

Due to the new recipe, all Baumit façade paints are now suitable for airless application! For large areas, mechanical assistance can be used. This allows paint to be applied quickly and evenly within a short period of time, which saves not only lots of time, but also money.

COVERAGE

Baumit façade paints are characterised by their high level of coverage. The high proportion of pigments ensures intense, beautiful and long-lasting colours, even on the first application.

LONG LASTING

Thanks to their unique formulation, Baumit paints and renders are extremely resistant to environmental influences. They therefore prevent future damage to the façade and help to protect the buildings structure for a long time.

BEST CONSUMPTION

Our renders unique formulation guarantees the highest efficiency of consumption, depending on the texture and grain size. Scratched textures with a grain size of maximum 2.0 mm have a consumption of 2.9 kg/m^2 while 1.5 mm consume 2.5 kg/m^2 and 3.0 mm will need 3.9kg/m^2. Grooved plaster textures have a consumption of 2.6 kg/m^2 by 2.0 mm grains and 3.6 kg/m^2 by 3.0 mm.

EXCELLENT DURABILITY

The façade of a building is more than just its superficial appearance. The thicker this shield is, the better it can protect your building against environmental impacts like heat, rain and hail. Larger grain sizes, like K2 and K3, increase the layer thickness and therefore the durability of your façade.

SUSTAINABILITY

In order to protect your façade against organic substances such as algae and moulds, and to guarantee long lasting results, all Baumit ready-to-use products contain environmently friendly biocides. However, as this is not always required, a biocide free recipe is also available – ask your Baumit representative for more information.

Tops & Colours

Baumit final coatings form a protective shield against weathering of any kind. They not only ensure the visual appearance of your façade, but also the durability of the underlying thermal insulation and structure.

Baumit NanoporTop & NanoporColor

- Self-cleaning effect through photocatalysis
- Mineral and breathable
- Highest protection of pollution

self cleaning	■ ■ ■ ■ ■
resistance	■ ■ ■ ■
diffusion	■ ■ ■ ■ ■
economical	■ ■ ■ ■ ■
colour variations	■ ■ ■
suitable for base area	■ ■ ■
variations (texture)	■ ■ ■ ■

self cleaning	■ ■ ■ ■ ■
resistance	■ ■ ■ ■
diffusion	■ ■ ■ ■ ■
economical	■ ■ ■ ■ ■
colour variations	■ ■ ■
suitable for base area	■ ■ ■
variations (texture)	■ ■ ■

Baumit StarTop & StarColor

- Especially strong & safe
- The best moisture protection
- Best processing properties

self cleaning	■ ■ ■ ■ ■
resistance	■ ■ ■ ■
diffusion	■ ■ ■ ■ ■
economical	■ ■ ■ ■
colour variations	■ ■ ■ ■
suitable for base area	■ ■ ■ ■
variations (texture)	■ ■ ■

self cleaning	■ ■ ■ ■
resistance	■ ■ ■ ■ ■
diffusion	■ ■ ■ ■
economical	■ ■ ■ ■
colour variations	■ ■ ■ ■
suitable for base area	■ ■ ■ ■ ■
variations (texture)	■ ■ ■ ■

Baumit PuraTop & PuraColor

- Brilliant colours
- Extremely durable
- For decorative surface design

self cleaning	■ ■ ■
resistance	■ ■ ■ ■
diffusion	■ ■
economical	■ ■ ■
colour variations	■ ■ ■ ■
suitable for base area	■ ■ ■ ■ ■
variations (texture)	■ ■ ■ ■ ■

self cleaning	■ ■ ■
resistance	■ ■ ■ ■ ■
diffusion	■ ■
economical	■ ■ ■
colour variations	■ ■ ■ ■
suitable for base area	■ ■ ■ ■ ■
variations (texture)	■ ■ ■ ■ ■

Baumit SilikatTop & SilikatColor

- Breathable
- Specialised for renovation
- Proven façade colour

Baumit SilikonTop & SilikonColor

- High coverage
- Premium protection
- Highly moisture & weather resistant

Baumit GranoporTop & GranoporColor

- Weatherproof
- Very good water repellent
- Easy application

Baumit CreativTop & Lasur, Glitter, Metallic

- Endless design possibilities
- individual textures
- Creative, colourful and unique

Life

The most extensive range of façade colours

Baumit Life offers the most beautiful range of innovative render and paint colours for your façade. Research on the latest colour trends and extensive product development led to this unique collection. Baumit Life represents a new dimension in designing façades.

0014	0021	0031	0041	0051	0061	0071	0081	0121	0131
0015	0022	0032	0042	0052	0062	0072	0082	0122	0132
0016	0023	0033	0043	0053	0063	0073	0083	0123	0133
0017	0024	0034	0044	0054	0064	0074	0084	0124	0134
0018	0025	0035	0045	0055	0065	0075	0085	0125	0135
0019	0026	0036	0046	0056	0066	0076	0086	0126	0136
	0027	0037	0047	0057	0067	0077	0087	0127	0137
	0028	0038	0048	0058	0068	0078	0088	0128	0138
	0029	0039	0049	0059	0069	0079	0089	0129	0139
0141	0151	0161	0171	0181	0191	0201	0211	0221	0231
0142	0152	0162	0172	0182	0192	0202	0212	0222	0232
0143	0153	0163	0173	0183	0193	0203	0213	0223	0233
0144	0154	0164	0174	0184	0194	0204	0214	0224	0234
0145	0155	0165	0175	0185	0195	0205	0215	0225	0235
0146	0156	0166	0176	0186	0196	0206	0216	0226	0236
0147	0157	0167	0177	0187	0197	0207	0217	0227	0237
0148	0158	0168	0178	0188	0198	0208	0218	0228	0238
0149	0159	0169	0179	0189	0199	0209	0219	0229	0239
0241	0281	0291	0301	0311	0321	0331	0341	0351	0361
0242	0282	0292	0302	0312	0322	0332	0342	0352	0362
0243	0283	0293	0303	0313	0323	0333	0343	0353	0363
0244	0284	0294	0304	0314	0324	0334	0344	0354	0364
0245	0285	0295	0305	0315	0325	0335	0345	0355	0365
0246	0286	0296	0306	0316	0326	0336	0346	0356	0366
0247	0287	0297	0307	0317	0327	0337	0347	0357	0367
0248	0288	0298	0308	0318	0328	0338	0348	0358	0368
0249	0289	0299	0309	0319	0329	0339	0349	0359	0369
0371	0381	0391	0401	0411	0421	0431	0441	0451	0461
0372	0382	0392	0402	0412	0422	0432	0442	0452	0462
0373	0383	0393	0403	0413	0423	0433	0443	0453	0463
0374	0384	0394	0404	0414	0424	0434	0444	0454	0464
0375	0385	0395	0405	0415	0425	0435	0445	0455	0465
0376	0386	0396	0406	0416	0426	0436	0446	0456	0466
0377	0387	0397	0407	0417	0427	0437	0447	0457	0467
0378	0388	0398	0408	0418	0428	0438	0448	0458	0468
0379	0389	0399	0409	0419	0429	0439	0449	0459	0469

Behind the colour code

Each one of Baumit's unique façade colour shades has its own colour code. Consisting of 4 figures; the first 3 figures refer to the number of the colour row and the last number shows the brightness graduation (ranked from 1 to 9, where 1 stands for the most intense colour tone and 9 for the lightest one).

Black: Available in any product

Red: Available in PuraColor and PuraTop

Blue: Available in PuraTop, PuraColor, StarTop, StarColor, GranoporTop, GranoporColor and CreativTop Max, Trend, Fine

0471	0481	0491	0501	0511	0521	0561	0571	0581	0591	0601
0472	0482	0492	0502	0512	0522	0562	0572	0582	0592	0602
0473	0483	0493	0503	0513	0523	0563	0573	0583	0593	0603
0474	0484	0494	0504	0514	0524	0564	0574	0584	0594	0604
0475	0485	0495	0505	0515	0525	0565	0575	0585	0595	0605
0476	0486	0496	0506	0516	0526	0566	0576	0586	0596	0606
0477	0487	0497	0507	0517	0527	0567	0577	0587	0597	0607
0478	0488	0498	0508	0518	0528	0568	0578	0588	0598	0608
0479	0489	0499	0509	0519	0529	0569	0579	0589	0599	0609

0611	0621	0631	0671	0681	0691	0701	0711	0721	0731	0741
0612	0622	0632	0672	0682	0692	0702	0712	0722	0732	0742
0613	0623	0633	0673	0683	0693	0703	0713	0723	0733	0743
0614	0624	0634	0674	0684	0694	0704	0714	0724	0734	0744
0615	0625	0635	0675	0685	0695	0705	0715	0725	0735	0745
0616	0626	0636	0676	0686	0696	0706	0716	0726	0736	0746
0617	0627	0637	0677	0687	0697	0707	0717	0727	0737	0747
0618	0628	0638	0678	0688	0698	0708	0718	0728	0738	0748
0619	0629	0639	0679	0689	0699	0709	0719	0729	0739	0749

0751	0761	0771	0781	0791	0831	0841	0851	0861	0871	0881
0752	0762	0772	0782	0792	0832	0842	0852	0862	0872	0882
0753	0763	0773	0783	0793	0833	0843	0853	0863	0873	0883
0754	0764	0774	0784	0794	0834	0844	0854	0864	0874	0884
0755	0765	0775	0785	0795	0835	0845	0855	0865	0875	0885
0756	0766	0776	0786	0796	0836	0846	0856	0866	0876	0886
0757	0767	0777	0787	0797	0837	0847	0857	0867	0877	0887
0758	0768	0778	0788	0798	0838	0848	0858	0868	0878	0888
0759	0769	0779	0789	0799	0839	0849	0859	0869	0879	0889

0891	0901	0911	0921	0931	0971	0981	0991	1001	1011	1021
0892	0902	0912	0922	0932	0972	0982	0992	1002	1012	1022
0893	0903	0913	0923	0933	0973	0983	0993	1003	1013	1023
0894	0904	0914	0924	0934	0974	0984	0994	1004	1014	1024
0895	0905	0915	0925	0935	0975	0985	0995	1005	1015	1025
0896	0906	0916	0926	0936	0976	0986	0996	1006	1016	1026
0897	0907	0917	0927	0937	0977	0987	0997	1007	1017	1027
0898	0908	0918	0928	0938	0978	0988	0998	1008	1018	1028
0899	0909	0919	0929	0939	0979	0989	0999	1009	1019	1029

1031	1041	1051	1061	1071	1111	1121	1131	1141	1151	1161
1032	1042	1052	1062	1072	1112	1122	1132	1142	1152	1162
1033	1043	1053	1063	1073	1113	1123	1133	1143	1153	1163
1034	1044	1054	1064	1074	1114	1124	1134	1144	1154	1164
1035	1045	1055	1065	1075	1115	1125	1135	1145	1155	1165
1036	1046	1056	1066	1076	1116	1126	1136	1146	1156	1166
1037	1047	1057	1067	1077	1117	1127	1137	1147	1157	1167
1038	1048	1058	1068	1078	1118	1128	1138	1148	1158	1168
1039	1049	1059	1069	1079	1119	1129	1139	1149	1159	1169

FUNCTION

Self-cleaning Effect

BAUMIT NANOPORTOP & NANOPORCOLOR

- **Nanopor technology**
- **Microscopically smooth surface**
- **Long lasting beauty**

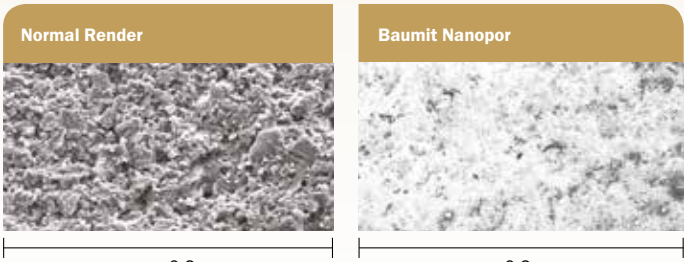
Beauty that lasts

By combining years of experience with the latest technology, Baumit developed the Baumit Nanopor series, consisting of NanoporTop, a ready-to-use render and NanoporColor façade paint. Their unique self-cleaning mixture keeps the façade looking like new for years.

The Nanopor effect

The nanopor-effect is produced by the Baumit NanoporTop whilst drying. It affects the upper hydrophilic nano layer.

If you put a drop of water on a normal hydrophobic render surface, it will appear as a 'ball' of water. A drop of water when dropped onto Baumit NanoporTop loses its surface tension. Moisture is taken in to the upper hydrophilic layer. During evaporation, the moisture releases dirt particles resulting in a dry, clean and beautiful façade.



At this size, you can see that the surface of normal render is much rougher. This makes it easier for dirt particles to take hold.

The microscopically smooth surface of Baumit NanoporTop Topcoat makes it hard for dirt particles to take hold.

FUNCTION

Moisture Resistant

BAUMIT STARTOP & STARCOLOR

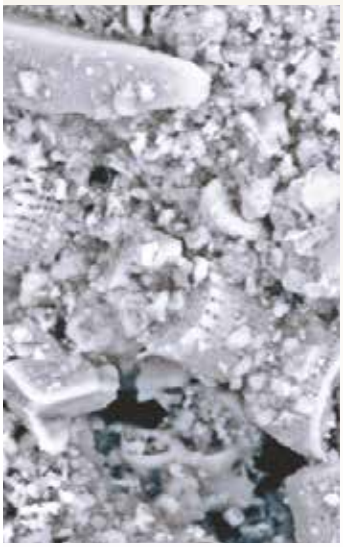
- **Quick drying wall surface**
- **Increased protection against algae and mould**
- **Best processing properties**

The next generation of Baumit StarTop silicone resin render features a new filler. Its structure is similar to coral and has a large surface area with lots of tiny cavities and pores, resulting in a very quick and broad distribution of water lying on the surface. At the same time, the very fine microstructure ensures better colour representation.

StarTop also uses hydrophilic and hydrophobic principles to reduce surface contamination

The hydrophilic property and coral structure cause the moisture to spread out so the surface dries out more quickly after wet weather. The hydrophobic nature of the render provides good water repellency, and therefore good water drainage behaviour.

The combination of both functions, the quick drying of the surface due to the hydrophilic property and the beading of the raindrops due to the hydrophobic property, results in surfaces with particularly good dirt resistance. Another highlight is the improvement in the application properties. StarTop is more malleable and has a very uniform texture that means the ready-to-use render is easy to apply.



Microscopic close up of the Star surface reveals how water is distributed and dried quickly.

The huge Star surface is similar to the coral structure.

FUNCTION

Brilliant Effect

BAUMIT PURATOP & PURACOLOR

- **Full range of colours**
- **Intense colour tones**
- **Cool pigments technology**

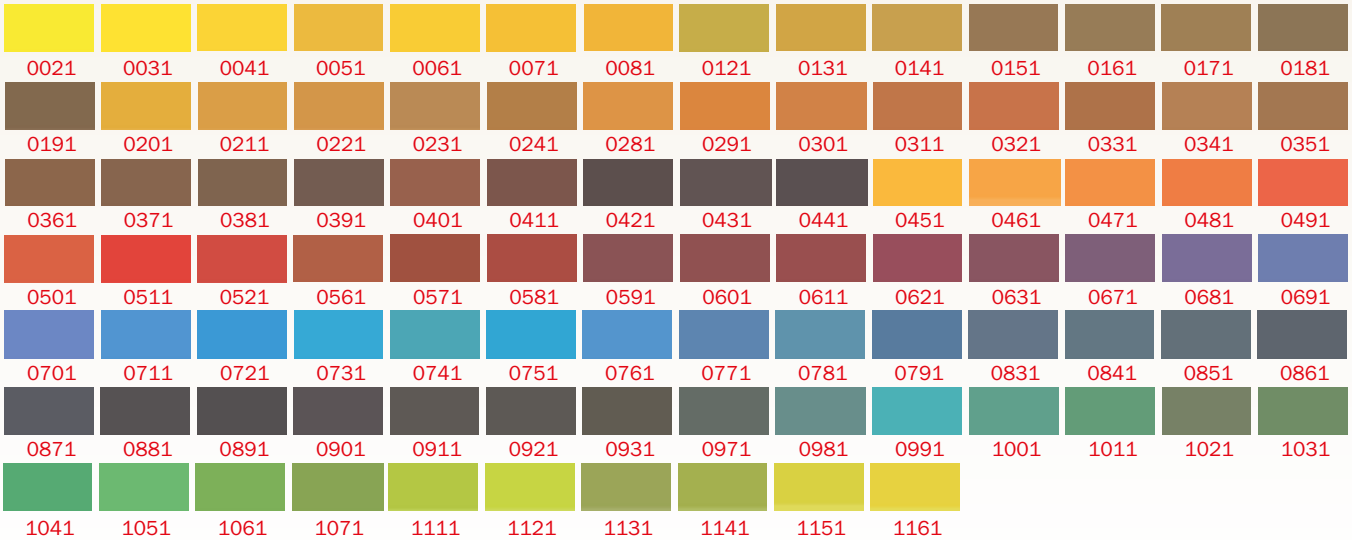
There has been a growing trend towards bright, intense colours in building design. However, combining architectural aesthetics with the high demands of energy efficiency and durability has presented building owners, designers and contractors with particular challenges up to now.

Paints and renders: dark and intense shades

Building owners and designers who wanted a strong colour scheme for the façade have been very restricted in the choice of colours up to now – mainly because dark shades fade and can heat up a lot in the sun. But, the unique formulation of Baumit PuraTop and PuraColor now means this is possible. It defines a whole new generation of façade design, allowing virtually infinate possibilities in any colour you want.

These 94 intense colour tones form the basis for the Baumit Life colour system by systematically brightening those shades up.

The intense range from Baumit stands out due to their strong colours and give any façade an exceptional and very individual character. Incorporating innovative “cool pigments”, they can also be applied over large areas on an external wall insulation system.



The samples shown are intended as a colour guide for the product selected. It cannot be guaranteed that the colours of the materials supplied will be absolutely identical.

FUNCTION

Cool Pigments

COOL COLOURS FOR INTENSE FAÇADES

- **Enables dark colours on EWI**
- **Reduced surface temperature**
- **Safety combined with top quality**

Cool pigments reflect a large proportion of the sunlight to which they are exposed, reducing surface temperature and making it possible to apply trendy dark colours over an entire externally insulated surface.

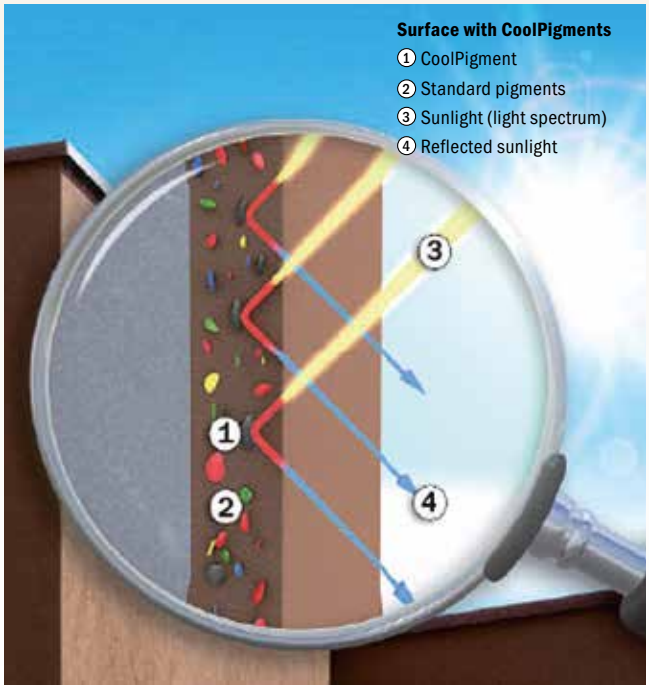
The new pigment is mixed into paints and plasters during factory production, which means that all 888 Life colours with a lightness coefficient lower than 20 can be applied over a large surface on an external thermal insulation composite system or monolithic masonry.

The cooling technology:

Where standard pigments absorb a large proportion of sunlight, cool pigments reflect the sun's rays, reducing the surface temperature. That's how Baumit renders and paints stay really cool.

TSR vs. BRV (HBW)

The Brightness Reference Value (BRV/HBW) expresses the brightness of a colour to the human eye compared to pure white (= HBW 100) or to deep black (=HBW 0). Whereas, the BRV considers only the visible wavelength range, the thermal heating of a façade depends on the whole solar radiation, including ultra-violet and infrared radiation. That's what is measured by the TSR value (=Total Solar Reflectance). The higher the TSR value, the more solar radiation is reflected and the lower the thermal heating of the surfaces is.



FUNCTION

Crack-bridging

BAUMIT FLEXACOLOR

- **Highly flexible**
- **Crack repair**
- **High covering power**

Baumit FlexaColor – flexible & effective

For cracks to existing façade coatings, such as hairline cracks, or shrinkage cracks that have occurred in the uppermost layer of the façade, Baumit now offers a fast and effective solution. Baumit FlexaColor is a silicone-resin-reinforced, highly flexible, highly opaque, organically bonded exterior paint coating that bridges cracks up to a width of 0.5mm. Suitable for all mineral substrates and top plasters, on old and new synthetic resin plasters and exterior paints. Baumit FlexaColor is available in all colours of the Life Colour System.

First things first

To achieve an optimum result, the substrate must be clean, dry, frost-free, dust-free, absorbent and free from loose parts before application of the façade coating. To prepare your surface, choose from Baumit's range of pre-treatment products, available for every type of substrate. For more information on substrate preparation see page 77.

FUNCTION

Classic Textures

SURFACES PROVIDE CHARACTER

- **Coarse grain size for high durability**
- **Scratched and grooved textures**
- **For each individual taste**

The time when render served a purely functional role as a substrate is long gone. Today's building owners, architects and designers are placing ever greater demands on the visual appearance of living and working environments. The texture, type and colour should be consistent with the overall lifestyle.

Almost anything is possible: fine grain sizes create a discreet flair, while coarse grain sizes provide a certain rustic charm – especially when combined with a creative colour scheme.


K 2.0


K 1.5


K 3.0

Scratched texture

A scratched texture is created by using precise quantities of render of certain grain sizes (1.5, 2.0 and 3.0 mm). The so-called guide grain forms the basis for an even surface.

This render uses rough broken textural grains. The render is applied in grain thickness and rubbed in with a float. The textural grains spread evenly and give a smooth, even surface. This render is the easiest to apply, as the texture can only be affected to a certain extent by the movement.


R 2


R 3

Grooved texture

Oversized grains in the sand mixture determine the overall thickness and depth of the grooves in the render layer. Depending on the technique used, this results in round, longitudinal or transverse render textures. Grooved render is a floated render, but its textural grain is generally round and a softer grooved texture is created by rubbing. By using round pebbles in the plaster, it is very easy to create grooved render textures. Here, the render is applied in grain thickness and then textured using a float.

The movements of the float move the pebbles over the substrate, creating the grooves. By moving it in different directions – circular, horizontal, vertical or a mixture of these – it is possible to influence the groove texture. The more precise the movements, the more even the texture becomes. If several people are carrying out texturing work on the same façade, it is important to agree on the movement direction in order to avoid different-looking textures on one wall.

EXPERT TIP

Baumit recommends a minimum grain size of 2.0 mm. The advantages are obvious - the thicker the façade, the better it protects the building against environmental influences such as heat, rain and hail. Larger grain sizes, such as 2.0 or 3.0 mm, increase the layer thickness and therefore the durability of the façade.

DESIGN

Creative Textures

BAUMIT CREATIVTOP

- **Unlimited design possibilities**
- **Wide range of individual textures**
- **Unique surfaces guaranteed**

The individual appearance of a façade depends not only on its colour. Think creatively and give the render every possible texture with Baumit CreativTop modelling render finish.

Baumit CreativTop is a ready-to-use, silicone-reinforced modelling render that gives you total design freedom. The different textures lend a mix of shade and light to the same rendered surface and thereby give the façade a depth that subtly changes from day to night and from season to season.

Effective creativity

Because this versatile and easily applied exterior render is available in nearly every colour from the Baumit Life colour range, there are endless creative combinations. Let your imagination run wild.

Whether floated, dragged, combed or stippled, coarse or smooth – these and numerous other façade textural structures can now finally be a reality with Baumit CreativTop. So, now you can not only choose the right colour but also the right texture for your exterior walls.

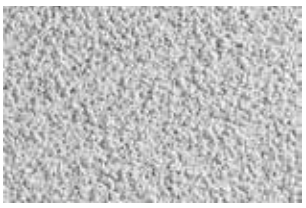
MAX | TREND | VARIO | FINE | PEARL | SILK

Floated technique

MAX	TREND	VARIO
FINE	PEARL	SILK

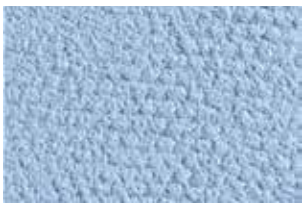
Wood effect

MAX	TREND	VARIO
FINE	PEARL	SILK



Projected technique

MAX	TREND	VARIO
FINE	PEARL	SILK



Rolled technique

MAX	TREND	VARIO
FINE	PEARL	SILK

Sponged technique

MAX	TREND	VARIO
FINE	PEARL	SILK

Coarse concrete technique

MAX	TREND	VARIO
FINE	PEARL	SILK

Smooth concrete technique

MAX	TREND	VARIO
FINE	PEARL	SILK

Combed technique

MAX	TREND	VARIO
FINE	PEARL	SILK

Smooth metallic effect

MAX	TREND	VARIO
FINE	PEARL	SILK

Spatula technique

MAX	TREND	VARIO
FINE	PEARL	SILK

Pulled technique

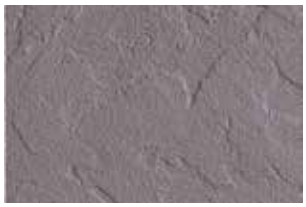
MAX	TREND	VARIO
FINE	PEARL	SILK

Brushed technique

MAX	TREND	VARIO
FINE	PEARL	SILK

Decorative striation technique

MAX	TREND	VARIO
FINE	PEARL	SILK



Relief technique

MAX	TREND	VARIO
FINE	PEARL	SILK

Smooth ripple effect

MAX	TREND	VARIO
FINE	PEARL	SILK

Brick effect

MAX	TREND	VARIO
FINE	PEARL	SILK

DESIGN

Smooth Façade

BAUMIT CREATIVTOP VARIO, PEARL AND SILK

- **Perfectly smooth surface**
- **Pure and modern**
- **2 beautiful ways**

Baumit CreativTop offers unlimited design possibilities for façades. But despite all the available textures and colours, you still need a 'pure' option: the Smooth Façade.

Smooth façades are currently celebrating a glittering comeback – in the truest sense of the term – in international architecture. Of course, in southern and eastern Europe, smooth façades have always been the standard façade. That is because these areas mostly work with renders, whereas cement was the preferred material in the north and west. Architectural styles have always progressed from indoor to outdoor design and today all the possibilities for a craftsman-like interior design can now be applied to the façade.

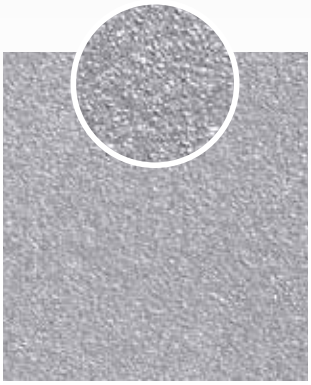
Smooth façades on EWI

You can also apply a smooth façade to an EWI system.
To achieve a perfectly smooth surface, you need a little flair and knowhow.

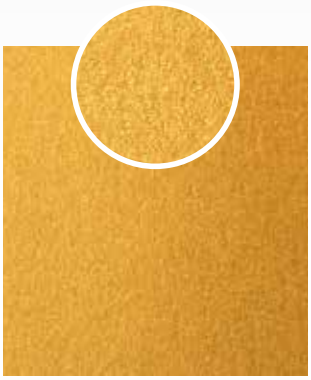
You need to start on a clean basecoat with the bonding of the EWI boards. The adhesive mortar, Baumit StarContact or StarContact White, is ideal for this. No need to apply a primer: you just add CreativTop Vario and the paste-like putty provides the perfect finish.

Baumit solution for a smooth façade:

- **Baumit StarContact/StarContact White**
- **Baumit insulation board**
- **Baumit StarContact/StarContact White** (3mm) with **Baumit StarTex**
- **Baumit CreativTop Vario** = levelling plaster
- **Baumit CreativTop Pearl or CreativTop Silk** = smooth surface



Baumit CreativTop Pearl
with **Baumit Metallic Titan**



Baumit CreativTop Silk
with **Baumit Metallic Gold**

SMOOTH & BEAUTIFUL

The grandeur of smoothness

Choose between two different approaches with two different products:

- **Baumit CreativTop Pearl** is the faster option. This product is applied to the plaster undercoat and simply spread thinly. It produces a fine façade which features a pearl texture and is available in 758 colours of the Baumit Life range.

- **Baumit CreativTop Silk:** This option requires a little more technical skill and the process requires several different steps. After applying Vario as the plaster undercoat, you need to add two layers of CreativTop Silk. You can also improve the surface further by sanding it. The result of your work will be a wonderfully shiny and smooth façade.

For creative colour designs, we recommend a coat of Baumit StarColor – available in 758 Life colours – or Baumit Metallic, Glitter or Lasur.

Correct application

Before starting work, the substrate has to be prepared. As a first layer, Baumit CreativTop Vario is applied to create a level base. Once it is completely dry, two coats of the selected topcoat layer are applied using Baumit CreativTop Pearl or Baumit CreativTop Silk.

Three CreativTop products each with varying grain sizes, can be used to create a smooth façade finish:

- Baumit CreativTop Vario: 1.5 mm
- Baumit CreativTop Pearl: 0.5 mm
- Baumit CreativTop Silk: 0.1–0.2 mm

DESIGN

Lasur

VINTAGE LOOK WITH BAUMIT LASUR

- **Matt finish**
- **Authentic renovation**
- **Perfect for surface imitation**

Whether it is a mid-19th century house, a building from the industrial revolution or a hundred-year-old farm house, historic buildings require a suitable façade design. But modern living is also appropriately enhanced by elegantly designed external walls. Wherever a stylish look is required, Baumit Lasur varnish is recommended.

Lasur is a ready-to-use glaze for decorative external wall and façade designs. With its matt formula, this glaze is especially suitable for renovating old surfaces in the appropriate style, as well as for creating harmonious façades for new builds. You can also use it to create an unmistakably Mediterranean feel. Ideally suited for unconventional, individualistic façades.

Application

Depending on the design specifications, before applying Baumit Lasur, the surface must be pre-coated with paint, render or levelling compound. Then, depending on the specifications, one to three coats of Baumit Lasur varnish are applied. This is applied using appropriate equipment for the specific varnishing technique, such as a paintbrush, whitewash brush, stippling brush, natural sponge or cloth.

Suitable substrates

- Lime cement and cement renders
- Concrete and other mineral substrates
- Mineral and silicate paints and renders with good adhesion
- Dispersion paints and renders with good adhesion
- Silicon paints and renders with good adhesion

Shine 725L

Sensual 726L

Impulse 727L

Gentle 728L

Solid 729L

Mystic 730L

Fresh 731L

Casual 732L

DESIGN

Metallic

SPECIAL EFFECTS WITH BAUMIT METALLIC

- **Elegant glaze**
- **For decorative highlights**
- **Imitation of metallic surfaces**

Modern façade designs should attract attention whilst remaining stylish. With Baumit Metallic, when choosing colour, it is easy to be creative, because the different tones can be perfectly combined.

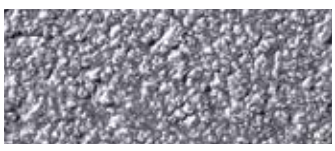
Metallic is a very resistant topcoat with an extremely high proportion of metallic pigments. The high degree of weather resistance is also a welcome additional feature. It will make your façade eye-catching, whether its surface is smooth or textured.

Application

Always apply a basecoat of Baumit GranoporColor or Baumit SilikonColor in white for better colour development. After leaving the basecoat for at least 12 hours, apply Baumit Metallic in two stages using a lambswool roller (pile length to suit the substrate and application method) or sprayer (air compressor with an under-pot gun).

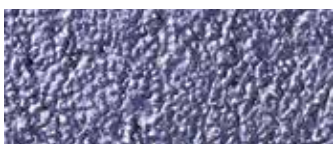
Suitable substrates

- Lime cement and cement plasters
- Mineral and silicate paints and renders with good adhesion
- Emulsion paints and renders with good adhesion
- Silicon paints and renders with good adhesion

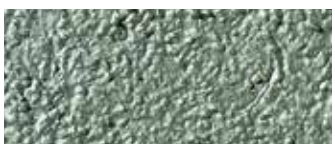


Titan 746M

Platin 747M



Saphir 748M

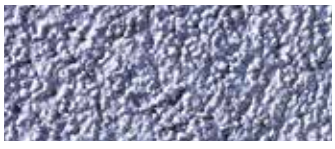


Smaragd 751M

Gold 753M

Rubin 754M

Bronze 755M



Azurit 756M

DESIGN
Glitter

HIGHLIGHTS WITH BAUMIT GLITTER

- **Sparkling effect in the sunlight**
- **Decorative and unique**
- **Descreet and luxurious**

Anyone wanting to give the façade of their house a special touch can opt for Baumit Glitter. The topcoat glaze compliments your chosen render, creating a sparkling façade in the natural light for an elegant yet stylish finish.

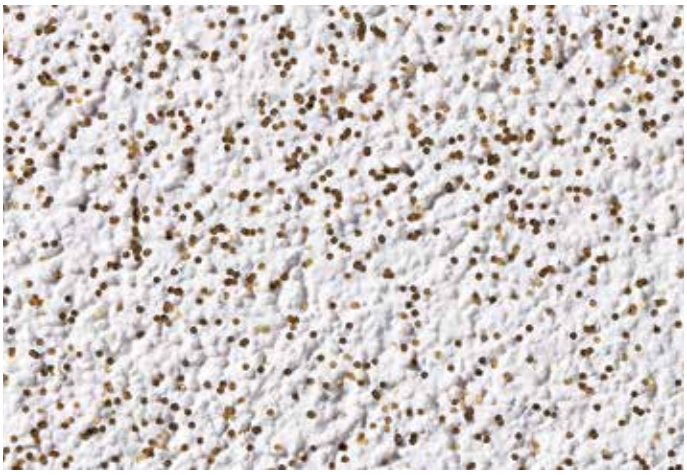
Create unique special effects and open up a new dimension in design that gives expression to creativity and uniqueness.

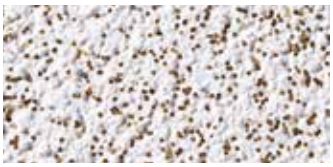
Application

Baumit Glitter is mechanically applied using a suitable sprayer (e.g. a hopper gun with a 4mm nozzle). During the mechanical application of Baumit Glitter, care must be taken to ensure a constant movement speed and a constant distance between the sprayer and the surface. Baumit Glitter is ready to use without the need to add water.

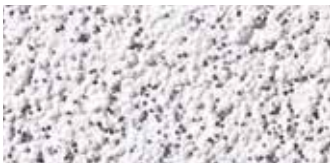
Suitable substrates

- Lime cement and cement renders
- Mineral and silicate paints and renders with good adhesion
- Emulsion paints and renders with good adhesion
- Silicon paints and renders with good adhesion





Gold 771G



Silver 773G

SilverFine 774G

Rainbow 775G

DESIGN

MosaikTop

BEAUTIFUL PROTECTION WITH BAUMIT MOSAIK

- **Decorative plinth solution**
- **Coated and coloured quartz sand**
- **Colourful stone effects**
- **Highly shockproof and waterproof**

The base area of a façade is subjected to particularly high levels of stress as a result of soiling, mechanical strains and rainwater. Baumit MosaikTop is the perfect coat for the base area of a façade to provide added strength to the external structure.

The paste-like variegated stone render is particularly suitable for wall surfaces that are subject to high levels of mechanical stress. It is highly water-repellent and water vapour-permeable.

But it is not only suitable for use on the exterior of a building: it can be used on both interior and exterior surfaces. With 36 different versions, it also offers a broad range of options for individual styling.

Application

Baumit MosaikTop should be mixed thoroughly using a slow speed stirrer before application. After this, Baumit MosaikTop is applied with a grain thickness of about 1.5 times using a stainless steel trowel and is always smoothed in the same direction while still wet. The product is ready to use without needing to add water.

Suitable substrates

- Mineral substrates, such as Baumit basecoats and fillers
- Lime/cement and cement renders
- Concrete

Enjoy a better quality of life at home

Well-being and a healthy interior climate: these are the qualities that make a house a home. The best way to create a pleasant environment is to choose the right thermal insulation. This will help create a comfortable, ambient room temperature whatever the time of day or season.

Baumit EWI Systems

What keeps winter warm and summer cool?

9 reasons to choose a Baumit insulation system:

1. Create a comfortable indoor climate throughout the year
2. Help to save costs when building your house
3. Permanently reduce heating costs
4. Protect external walls from cracks and weathering
5. Prevent the development of cold bridges
6. Reduce carbon dioxide levels
7. Allow climate-friendly living
8. Freedom of design & creativity
9. Save on maintenance costs

SYSTEMS

The best way to create a pleasant living environment is to choose the right thermal insulation. This will help to create a comfortable and ambient room temperature. Baumit has created a wide variety of systems suitable for any kind of home. All systems can be customised to suit the corresponding substrate to achieve the desired effects and characteristics.

COMPONENTS

High-quality Baumit thermal insulation should last for years and even decades. To achieve this, it is crucial to choose the right adhesive and reinforcing mortar, which is perfectly coordinated with both the insulation material and the substrate. Baumit offers the right adhesive and reinforcing mortar for every application and every requirement, as well as a wide range of accessories to perfectly complete your External Wall Insulation (EWI) system.

EWI SYSTEMS OVERVIEW

	OPENSYSTEM	STARSYSTEM EPS	STARSYSTEM MINERAL
	 O StarContact White Baumit		
	■ **Unique OpenAir Technology** ■ **Breathable buildings** ■ **New build and refurbishment**	■ **BBA approved system** ■ **Flexibility and protection** ■ **Available in a wide range of solutions**	■ **BBA Approved** ■ **Fireproof** ■ **Mineralic** ■ **Highly permeable**
ADHESIVE	**StarContact White**	**StarContact White**	**StarContact White**
INSULANT	OpenTherm	StarTherm	Dual Density Slab
FIXING ANCHOR	StarTrack	STR U 2G	STR U 2G
BASECOAT	**StarContact White**	**StarContact White**	**StarContact White**
REINFORCEMENT	StarTex	StarTex	StarTex
PRIMING	PremiumPrimer	PremiumPrimer*	PremiumPrimer*
TOPCOAT	**NanoporTop**	**SilikonTop**	**NanoporTop**

The external wall insulation systems must be applied in accordance with Baumit recommendations and current best practice. Refer to Baumit Product Data Sheets for further information.

*UniPrimer can be used as a substitute to PremiumPrimer

STARSYSTEM RESOLUTION	STARSYSTEM NATURE	POWERSYSTEM	
			
■ BBA Approved ■ 30% better insulation performance ■ Solution for special building requirements	■ Wood fibre for natural insulation ■ Highly breathable ■ 100% recyclable	■ High impact resistance ■ For extreme requirements ■ Cement free	
StarContact White	**StarContact White**	**StarContact White**	ADHESIVE
StarTherm Resolution	StarTherm Nature	StarTherm	INSULANT
STR U 2G	STR U 2G	STR U 2G	FIXING ANCHOR
StarContact White	**Multicontact MC-55W**	**PowerFlex**	BASECOAT
StarTex	StarTex	StarTex	REINFORCEMENT
PremiumPrimer*	PremiumPrimer*	PremiumPrimer*	PRIMING
NanoporTop	**NanoporTop**	**SilikonTop**	TOPCOAT

SYSTEMS

OpenSystem

BREATHABLE INSULATION

- **Unique Open Technology**
- **Breathable buildings**
- **Cosy healthy climate**

Whether you are building a new home or refurbishing an old one, Baumit OpenSystem is the best solution. All components are vapour permeable and thus allow the walls to breathe. This creates optimal living conditions whether in summer or winter.

The Baumit OpenSystem uses EPS boards containing numerous holes of about 2 to 3mm diameter. These ensure the high vapour permeability and enable water vapour to be released externally.

How it works

In addition to the temperature, an important factor in enabling a comfortable living climate to be created is relative humidity. At indoor temperatures of between 19 and 22° C, humidity should be between 40 to 60 %. Approximately 10 litres of water vapour per household per day need to be diffused to the outside. Baumit OpenSystem with its high breathability ensures a comfortable indoor climate.

99 % air

Baumit OpenSystem requires very low energy consumption during production. The OpenSystem consists of 99 % air and only a small proportion of EPS, which in turn requires very little energy to produce. This is very positive in terms of the environmental impact, because the less energy that is used to produce thermal insulation, the more environmentally-friendly the thermal insulation system is.

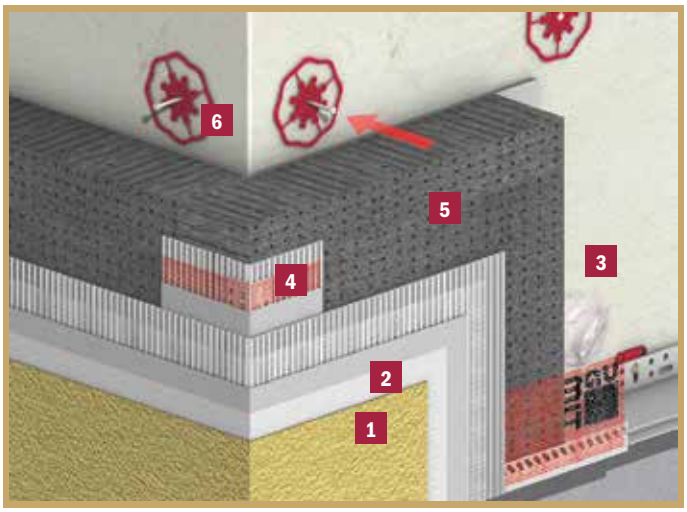
SYSTEM COMPONENTS

A good looking façade that lasts

The Baumit OpenSystem has some notable features that will help your building to not only perform well but also look good for many years to come. Combining the best fixing technology, vapour permeability, high performance insulation and an innovative topcoat with nanotechnology, Baumit OpenSystem helps to create a building that will last for decades.

Benefits

- Homogenous wall build-up
- Breathable and highly vapour permeable
- Prevents condensation from water vapour
- Ensures a comfortable indoor living climate
- Reduces building time as it dries out more quickly



1 Baumit NanoporTop
Self-cleaning topcoat render

2 Baumit PremiumPrimer
Superior quality primer

3 Baumit StarContact White
Vapour permeable adhesive and basecoat reinforcing mortar

4 Baumit StarTex
High performance reinforcing mesh

5 Baumit OpenTherm
Vapour permeable EPS façade insulation board

6 Baumit StarTrack
Unique supplementary anchor fixing

SYSTEMS

StarSystem EPS

THE CLASSIC SOLUTION

- **BBA approved system**
- **Flexibility and protection**
- **Available in a broad range of solutions**

With Baumit StarSystem EPS you invest in a worry-free future. Not only do you save money every day on your heating costs, but you are also investing in building insulation for years to come.

Baumit StarSystem EPS provides great flexibility as well as impact resistance and combines all Baumit's experience as a pioneer in External Wall Insulation.

An investment in the future

The combination of a comfortable indoor climate and energy reduction techniques leads to an improved quality of life at home. Baumit StarSystem EPS helps to increase the value of a building by offering excellent insulation together with an attractive building envelope.

Flexible, elastic and impact resistant

Baumit StarContact White adhesive and reinforcing mortar easily exceeds the standard norms and regulations. This ensures that the façade remains attached to the brick/blockwork no matter what the temperature fluctuations, wind speeds or other environmental challenges may be. It is elastic and flexible and so, over time, it stretches and flexes as required and offers good resistance to objects that may impact the surface.

SYSTEM COMPONENTS

Superior quality

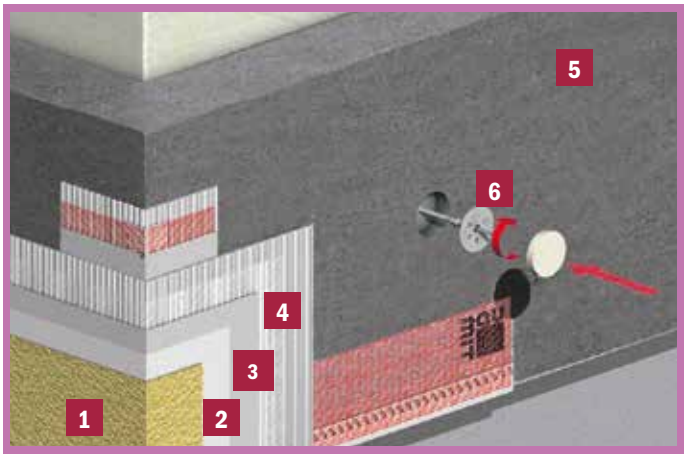
Baumit PremiumPrimer can be used with all synthetic and mineral decorative finishes, for pretreatment of hard or non-absorbent mineral substrates as well as for the preparation of coloured substrates.

Free choice of insulation

The silver grey EPS façade insulation board, Baumit StarTherm consists of expanded polystyrene. It is highly water permeable and has excellent insulating properties.

Benefits:

- Excellent flexibility and impact resistance
- Extremely weatherproof
- Easy to apply
- Mineral provides excellent fire resistance
- 30 years of experience
- BBA approved system



1 Baumit SilikonTop
Elastic topcoat render

2 Baumit PremiumPrimer
Superior quality primer

3 Baumit StarContact White
Vapour permeable adhesive and basecoat reinforcing mortar

4 Baumit StarTex
High performance reinforcing mesh

5 Baumit StarTherm
Silver grey EPS façade insulation board

6 Baumit STR U 2G
Screwed anchor fixing

SYSTEMS

StarSystem Mineral

THE ALL-ROUNDER

- **BBA approved system**
- **Mineral-based**
- **Fireproof**
- **Highly permeable**

Your home should provide comfort and a good quality of life. Key elements of a pleasant indoor climate are the temperature and air humidity – factors positively affected by the StarSystem Mineral.

Baumit StarSystem Mineral is a proven mineral external wall insulation system suitable for all building classes. Mineral wool boards as a thermal insulation layer are covered with a mineral basecoat (reinforcing layer) consisting of a levelling layer, basecoat and fibreglass mesh. A weather-resistant topcoat is then applied over this.

Mineral external wall insulation

Baumit Dual Density Slab insulation boards contain no combustible components. They are made of mineral wool fibres, which are bonded to a board with resins.

The system stands out due to its excellent sound and fireproofing properties, as well as being highly water permeable. It noticeably improves indoor temperatures.

The all-rounder

Baumit StarSystem Mineral can be applied to all load-bearing substrates. It is suitable for old and new buildings and also for commercial construction.

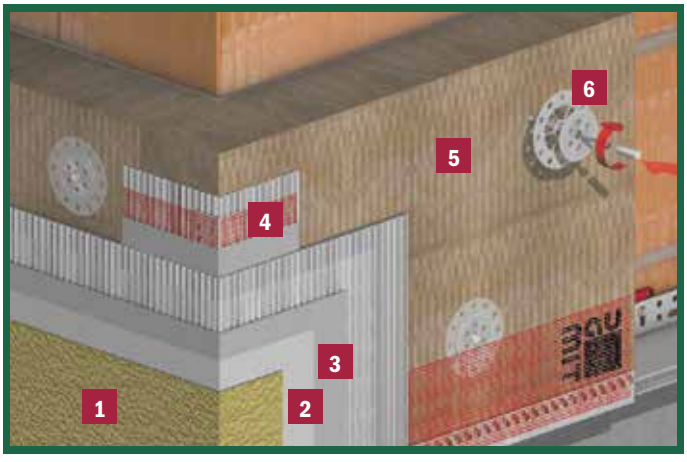
SYSTEM COMPONENTS

Model student in efficiency

Thermal insulation, with its associated energy savings, is making a significant contribution to climate protection. When used correctly, far more CO_2 and other greenhouse gases are saved than have been generated by the production of the insulation materials. Major advantage: mineral raw materials are available in virtually unlimited quantities.

Benefits:

- Suitable for all load-bearing substrates
- No limitation of the building class
- Non-flammable
- Excellent physical properties
- Excellent water vapour permeability
- Pure mineral EWI



1 Baumit NanoporTop
Self-cleaning topcoat render

2 Baumit PremiumPrimer
Superior quality primer

3 Baumit StarContact White
Vapour permeable adhesive and basecoat reinforcing mortar

4 Baumit StarTex
High performance reinforcing mesh

5 Baumit Dual Density Slab
High grade mineral fibre insulation boards.

6 Baumit STR U 2G
Screwed anchor fixing

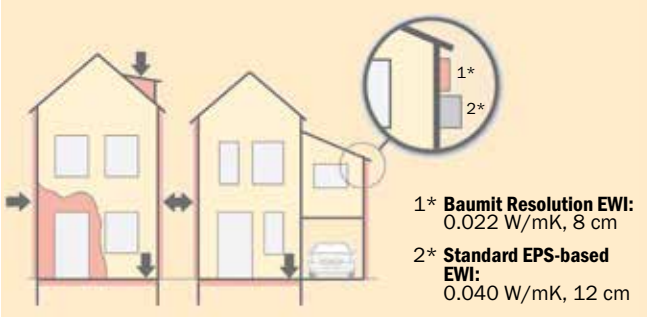
SYSTEMS

StarSystem Resolution

MORE SPACE FOR LIVING

- **30 % better insulation performance**
- **Solution for special building requirements**
- **Slim-line for more space**

The Baumit StarSystem Resolution external wall insulation system achieves the same thermal u-value with an 8 cm thickness that a normal insulation board can achieve with 12 cm. This means the same insulation with a third less insulation board thickness.

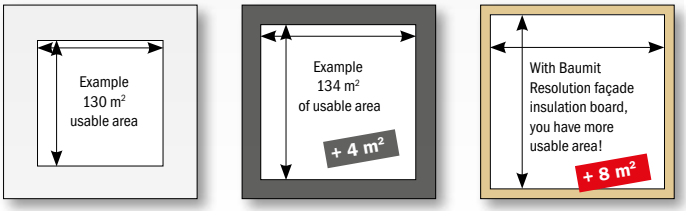


1* **Baumit Resolution EWI:** 0.022 W/mK, 8 cm

2* **Standard EPS-based EWI:** 0.040 W/mK, 12 cm

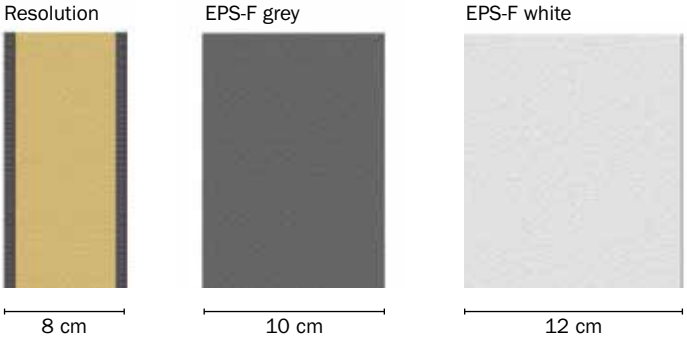
Can be universally combined

Baumit StarSystem Resolution can be used with all professional EWI systems. This is of particular benefit when it comes to specific building problems and architectural detailing (e.g. windows, eaves). You can save money and still achieve the perfect insulation value.



A slender system for strong solutions

When used together with the accompanying components, the Baumit StarTherm Resolution insulation boards enable a thin EWI System to be built to accommodate limitations on thickness. It offers unbeatable advantages when there is minimal space available.



All external wall insulation systems must be applied in accordance with Baumit recommendations and current best practice. Please see Baumit Product Data Sheets for further information.

R

SYSTEM COMPONENTS

No need to extend the eaves

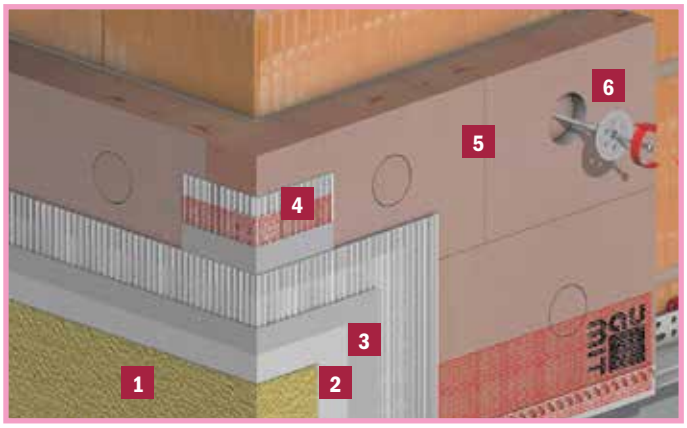
Extending the roof to accommodate a thick EWI System is a costly business. Baumit StarSystem Resolution is thin enough to avoid the need to extend the eaves – thereby saving money.

Innovative material

The closed cell structure of Baumit StarTherm Resolution insulation boards, made from hard resin foam and covered on both sides with a fleece layer, allows excellent thermal values to be achieved from minimal thickness. The raw material is Bakelite resin – one of the oldest and most well-known plastics – and it ensures a long life for the insulation. The regulations and guidelines for its manufacture ensure a consistently high production quality.
The phenolic insulation is 100% free of CFCs and HCFCs.

Benefits

- The lowest Lambda value (0.022)
- 30 % better insulation performance
- Thin insulation for extra thin applications
- Can be combined with other Baumit EWI systems
- Phenolic has optimal fire resistance.

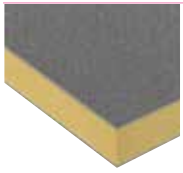


1 Baumit NanoporTop
Self-cleaning topcoat render

2 Baumit PremiumPrimer
Superior quality primer

3 Baumit StarContact White
Vapour permeable adhesive and basecoat reinforcing mortar

4 Baumit StarTex
High performance reinforcing mesh



5 Baumit StarTherm Resolution
Phenolic insulation board

6 Baumit STR U 2G
Screwed anchor fixing

SYSTEMS

StarSystem Nature

NATURAL THROUGH AND THROUGH

- **Wood fibre for natural insulation**
- **Highly breathable**
- **100 % recyclable**

The Baumit StarSystem Nature external wall insulation system is the ecological alternative for anyone who wishes to build in a natural way. The heart of this system is the sustainable material of wood, which is a renewable resource. This protects valuable natural resources and helps to permanently store CO_2 within the insulation, helping to reduce CO_2 emissions.

Excellence in every respect

The excellent thermal values, vapour permeability, noise reduction capabilities and ecological reasons make this environmentally friendly insulation very attractive.

Free from additives

The core of the system is made up of the Baumit StarTherm Nature wood fibre insulation boards. The multi-layered insulation boards are produced without any artificial binders. The timber's own lignin serves to bind the wood fibres together. The individual layers are glued together with pure white lime.

During production, the fine wood fibres are heated whilst being pressed so that the lignin becomes fluid and glues the wood particles together during cooling. The system uses coats of mineral base and topcoat renders. Baumit wood fibre insulation boards meet the strictest European Health & Safety and Environmental standards.

SYSTEM COMPONENTS

Breathable insulation

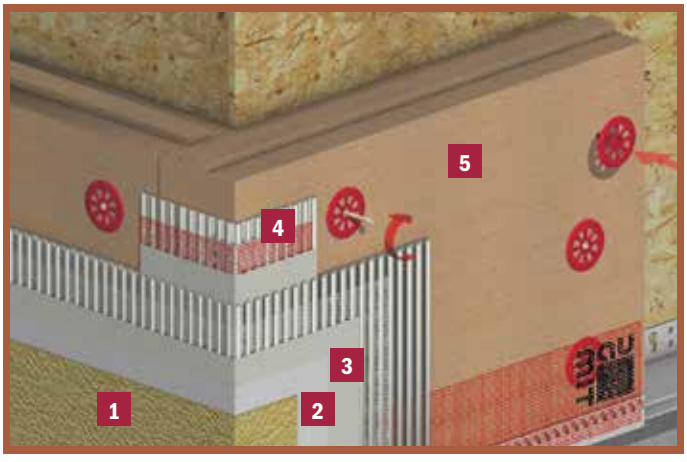
Baumit StarSystem Nature has very good thermal insulation values, is water vapour permeable, dimensionally precise and actively helps to protect the environment. The components not only have a high heat storage capacity, they are also breathable. This means that the façade can "breathe". The Baumit StarSystem Nature therefore meets all the requirements for comfortable and healthy living and has excellent noise reduction properties.

Good environmental footprint

This natural insulation stands out over the entire life cycle – from production to disposal – due to its good environmental footprint, making it an environmentally friendly option.

Benefits

- Sustainable and environmentally friendly
- High heat storage capacity
- Improves the sound insulation



1 Baumit NanoporTop
Self-cleaning topcoat render

2 Baumit PremiumPrimer
Superior quality primer

3 Baumit Multicontact MC55 W
Reinforced multi-purpose bonding mortar

4 Baumit StarTex
High performance reinforcing mesh

5 Baumit StarTherm Nature
Wood fibre façade insulation board

6 Baumit STR U 2G
Screwed anchor fixing

SYSTEMS

PowerSystem

THE BEST IMPACT RESISTANCE

- **High impact resistance**
- **For extreme weather/impact requirements**
- **Cement-free**

The incidence of severe weather fluctuations appears to have increased dramatically in recent years. It is therefore no longer just a question of ideal thermal insulation, but issues such as impact protection and weather protection that have come to the forefront.

Tough and flexible at the same time

The shield works by being tough and flexible at the same time. This is the secret of Baumit PowerSystem. The toughness and elasticity of the system are perfectly balanced, which is beneficial for the façade. In particular, modern architecture without roof projections exposes façades to high stresses. Also, when thermal improvements are made using thick insulating layers, the façade protection is considerably reduced due to smaller roof projections. In both of these cases, Baumit PowerSystem provides a reliable solution.

Strong façades for high stresses

There are a number of possibilities for protecting a façade, ranging from simple structural measures to high-tech building materials. The Baumit PowerSystem belongs in the latter category.

Effective façade protection is achieved with a highly flexible, strong shield, in which a fibreglass mesh is embedded. A high-quality Baumit façade render is then applied over the top. As well as having an attractive appearance, it also protects the layers underneath from moisture.

The best insurance

For piece of mind that your façade has a higher resistance class, it is more than worth using double or triple perfectly coordinated products which also guarantee impact, weather and heat protection. Because prevention is better than having to repair damage. Baumit has once again taken the lead with its new development, the Baumit PowerSystem.

SYSTEM COMPONENTS

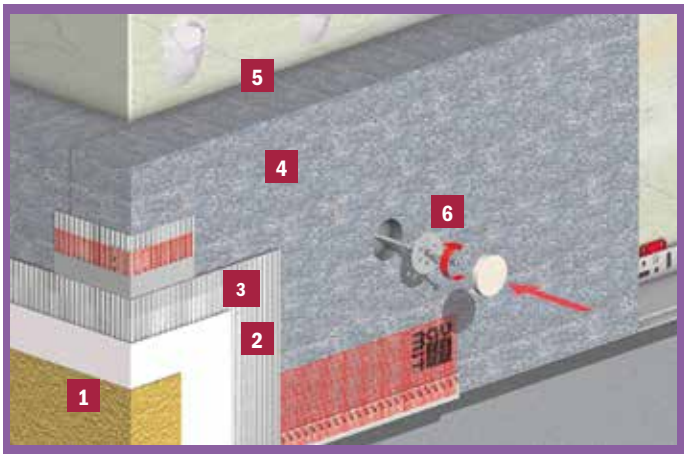
Innovative protection

The heart of this system is reinforcement using Baumit PowerFlex. This cement-free, ready mixed reinforcing mortar is a powerful innovation from the Baumit Research Centre. Particularly high-quality binders combined with very elastic aramid fibres and precisely dosed fillers make Baumit PowerSystem the best impact protection for thermal insulation.

Baumit PowerSystem is ideal for use with Baumit StarTherm insulation where more resilience is required.

Benefits:

- Highly effective impact protection
- Weather protection all year round
- Thermal insulation and resilience in one
- Resistant to extreme weather
- For high mechanical stresses



1 Baumit SilikonTop
Elastic topcoat render

2 Baumit PowerFlex
Reinforcing coat

3 Baumit StarTex
High performance reinforcing mesh

4 Baumit StarTherm
Silver grey EPS façade insulation board

5 Baumit StarContact White
Vapour permeable adhesive and basecoat reinforcing mortar

6 Baumit STR U 2G
Unique supplementary anchor fixing

SYSTEMS

PlinthSystem

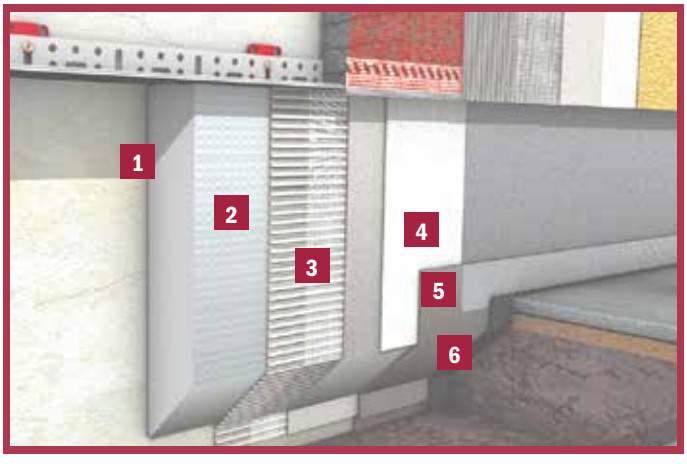
A TRICKY AREA

- **Reliable protection**
- **Water-repellent and resistant to mechanical stresses**
- **Ideal for subsequent renovation**

The base and perimeter area is one of the most highly stressed areas of a building. It has to contend with rainfall, splashing, direct standing water and high levels of mechanical stress.

The render should always be waterproofed on the plinth area. However, even water-repellent renders absorb water sooner or later if it is constantly present on the render. This results in stains and frost damage. Only waterproofing that also provides additional protection for particularly vulnerable areas can remedy this.

The choice of whether to apply a reinforcing coat depends on the substrate and also on the customer's quality requirements. When the substrate is made up of insulating boards, it is always necessary to apply a reinforcing coat, whereas in the case of concrete or masonry, this can be omitted.



1 Baumit BituFix 2K
Two-component, polystyrene-filled, solvent free.
For cold application. Rubber modified bituminous coating for use in bonding Baumit Plinth Insulation board XPS TOP onto bituminous sealant background.

2 Baumit PlinthTherm EPS
Grey EPS board, high fire resistance, use in EWI systems in plinth area up to 3 m

3 Baumit StarContact White
Vapour permeable adhesive and basecoat reinforcing mortar

4 Baumit PremiumPrimer
Waterborne quartz-filled primer for all synthetic and mineral decorative finishes.

5 Baumit MosaikTop
Ready-to-use, acrylic based render for external use

6 Baumit DS 26 Flex
Flexible, universal sealant for use as crack-bridging sealing layer

COMPONENTS

StarTrack and Fixings

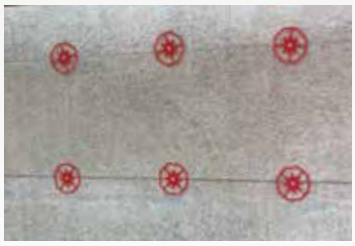
WHAT BONDS RATHER THAN FIXES?

- **Saves energy, time and costs**
- **One for all insulation thickness**
- **Accuracy in processing**

EWI systems with EPS insulation boards must be fixed onto various surfaces using supplementary fixings along with an adhesive bond.

The Baumit StarTrack range has a solution for every substrate. Baumit StarTrack fixings are anchored in the supporting masonry and are covered with a dab of adhesive before gluing the insulation boards. This creates the required supplementary fixing point to the supporting masonry without piercing the insulation, thereby ensuring there are no thermal bridges.

The Baumit adhesive anchors are inserted into the borehole and secured with plastic nails.



The Baumit adhesive anchors are offset in height, maximum 40 x 40 cm.

BAUMIT STARTRACK & DOWELS OVERVIEW

Baumit StarTrack Fixing	Anchor depth in mm	A	B	C	D	E
		Standard Concrete	Standard Masonry	Hollow and perforated masonry	Lightweight Concrete	Aerated Concrete
Baumit StarTrack Orange	≥ 40	●	●	●		●
Baumit StarTrack Red	≥ 40	●	●	●		
Baumit StarTrack Blue	≥ 40	●	●			
Baumit StarTrack Duplex	≥ 40	●	●	●		●
Baumit STR	≥ 25 (≥ 60)	●	●	●	●	●

COMPONENTS

Accessories

USING THE SYSTEM

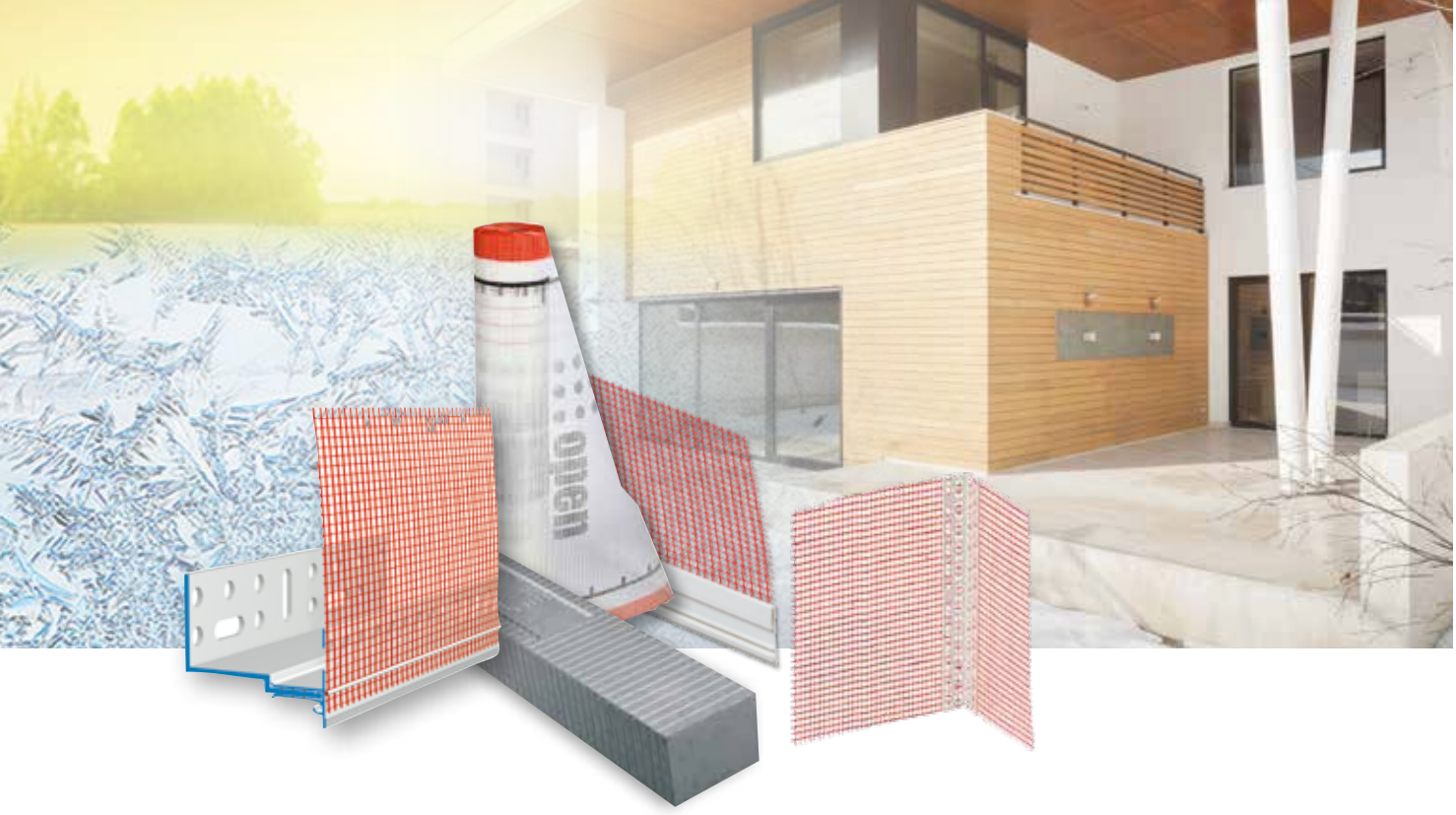
- **Components of the system**
- **Perfectly coordinated accessories**
- **All-round protection for the house**

External insulation systems come into contact with a variety of other components and materials: windows made of wood, plastic or aluminium, banisters that need to be fixed in the substrate, roof eaves made of wood and many more. All of these connections must be protected against different stresses and strains – for example, driving rain, insects or substrate movements.

Well designed and well insulated

In order to be prepared for all the details during installation, the work should be planned as accurately as possible before it starts. It should be ascertained in advance which areas of the building require special profiles to provide optimal protection against external influences and thermal bridges.

Thermal bridges can be avoided if the joints at critical points are carried out using the right products. Tight and secure connections ensure optimum insulation and lock out driving rain, sun and insects effectively.



DETAILED SOLUTIONS

1 Baumit Base Profile Therm

The base – the foundation of the EWI system

Baumit Base Profile Therm provides a thermal bridge-free solution for all base types and insulating materials, either as the lower end of the façade or to form a recessed base. The Baumit thermal base insertion profile is used as a supplement for all insulation thicknesses.

2 Baumit Window Profile Flexible

The window – doesn't give rain a chance

The driving rain-proof Baumit Window Profile Flexibe (flexible window connection profile), can absorb large movements in all directions. The decoupled construction is suitable for all insulation materials and thicknesses as well as most window constructions. Protection from the elements with sun protection: When using the driving rain-proof Baumit Roller Shutter Profile on roller shutter guide rails, the rail maintenance openings remain unobstructed and the EWI is tightly connected.

3 Baumit Window Profile

The window sill – reliability in planning and execution

A key connection detail of EWI to other structural components in the window area is the window sill. Tradespeople are faced with all kinds of challenges here. An innovative solution has been created with the Baumit Window Profile.

4 Baumit Corner Bead

The edge – houses do not necessarily have right angles

Baumit Corner Bead is suitable for exact edges that are not at right angles, such as obtuse angles on bay windows etc. No more dirty soffits. Soffits and window lintels can be finished exactly with the Baumit Drip Edge Profile. There are no dirty streaks, as the drops of water fall from the front edge. The plasterable plastic nose provides a pleasing appearance.

5 Baumit Expansion Joint Profile

Joints - mobility is key

The Baumit Expansion Joint Profile is used in alterations, extensions or between structural components with different constructions, when the joints run vertically. Creases are now a thing of the past. Horizontal joints can now be formed without recesses in the façade by using the Baumit Horizontal Expansion Joint Profile. A discreet shadow joint acts to absorb movement between the different components. The sealing tape, which is applied without any joints, ensures it can withstand driving rain.

6 Baumit Montage Meter

Mounting elements – intelligent installation

The Baumit Montage Meter mounting element is used for attaching fixtures, such as letter boxes or lamps. During installation of the EWI, it is fixed prior to applying the reinforced base coat. After completion, the screws in the Baumit Montage Meter can be tightened. The load is carried via the EWI, with no thermal bridges.

7 Baumit EWI Roof Ventilation Profile

The roof – no entry for small animals

The Baumit plastic Roof Ventilation Profile is used to seal off the ends of EWI elements correctly in rear-ventilated roof constructions, such as cold roofs. The face and plastering edge make it easy to use. The ventilation openings allow air to circulate and keep small animals out.

Baumit renders provide protection with added value

Renders are mineral coatings for walls that protect the surface and act as a base for paints and topcoats. Baumit renders have been developed to provide long-lasting protection for masonry, to even out irregularities and to ensure that surfaces are as uniform as possible. Baumit has a large range of easy to apply, breathable render systems for every application – for both new buildings and renovation projects.

Baumit Render Systems

Who protects the outside walls?

9 good reasons to choose Baumit render systems:

1. Strong protection for the façade
2. Help to save costs when building
3. Permanently reduce heating costs
4. Protect walls from cracks and weathering
5. Long-lasting solutions
6. Extremely durable
7. Even stronger as part of a system
8. Thermal insulation properties
9. Unbeatable in renovation

MINERAL RENDERS

The all-rounder in this area is the Baumit UniRend System: this breathable render system is easy and economical to use on any mineral-based substrates, including insulating wall materials. Due to its optimally tailored elasticity, it is able to absorb stresses from the substrate in an ideal way.

RENOVATION

A façade not only serves as decoration for a home; it also forms a protective shield for the building. In this capacity, it is exposed to many different environmental influences that leave their mark over the years. It is therefore not only the internal values that count – only an intact outer shell can protect a house effectively.

Many home owners fear that repairing cracks and damage may involve a lot of work, so shy away from renovations. But Baumit has the perfect solution: the UniRend system. A quick and convenient way to deal with smaller or larger cracks effectively, giving the façade back its original sparkle. The system will strengthen and provide effective protection for the walls.

MINERAL RENDERS

Strong Protection

MACHINE RENDERS

- **Strong protection for external masonry**
- **Breathable wall construction**
- **Easy to apply**

Baumit renders provide protection and are also breathable. This means that moisture can evaporate through the layer of render. Externally, the protection of the masonry is particularly important. Baumit renders are easy to apply, breathable and suitable for every application, on both new buildings and renovation projects.

Baumit UniRend System

Optimum elasticity – The optimised elasticity of Baumit KZP 65 provides ideal absorption of stresses from the substrate. The system is suitable for any mineral-based substrate, especially highly insulating wall materials and lightweight substrates. In the right combination. It also perfect for modern high-performance bricks.

Baumit Cement Board System

Restore and reinforce –Cement boards can offer a really durable and weather resistant solution for exterior cladding. A very common problem of the conventional render solutions on top of cement boards is cracking which almost always leads to water ingress. Baumit offer a three layer crack-free solution for cement backer boards that is easy to apply. A solution tested by the BRE Lab in Watford, UK that solves problems that concern lots of professionals and private owners.

UNIREND SYSTEM	CEMENT BOARD SYSTEM	
		
■ Water repllent ■ Lightweight additive ■ Good permeability	■ Crack resistant ■ Breathable ■ Self-cleaning	
Baumit Tops	Baumit NanoporTop	WATERPROOFING
UniPrimer	Baumit Premium Primer	PRIMER
KZP 65	Baumit MultiContact MC55W	EXTERIOR RENDER
Baumit VS 60 (optional)	-	PRETREATMENT

Baumit Renovation

The façade of a house and any extensions such as balconies or external staircases are constantly exposed to a variety of weather conditions, which will eventually require renovation. Historical buildings also require specialist products and knowledge.

VISUAL RENOVATION

The visual renovation systems from Baumit are the perfect solution for all façades that have lost their initial shine. Whether you are faced with dirt build up, bleaching, algae infestations or cracks in the render, a visual renovation system from Baumit provides a quick but effective solution for a façade that can look like new.

Baumit Renovation

Who gives old façades a new sheen?

9 good reasons to choose Baumit Renovation Systems:

1. Simple in application
2. Quick and strong
3. Durable for many years
4. On damp and salt-contaminated walls
5. For different renovation issues
6. Durable protection for decades
7. Restoration of the original structure
8. Protection against frost and de-icing salt
9. Reinforcement of components

HISTORICAL RENOVATION

Old, historically valuable buildings have a cultural history and are therefore particularly worth preserving effectively. It is vitally important the correct materials and methods are used for these specialist renovations, using purely mineral products; mineral renders and lime and silicate paints. Baumit offers complete systems of specialist renovation renders and paints.

CONCRETE RENOVATION

Baumit also offers suitable renovation systems for concrete surfaces such as walls, balconies, columns or stairs. Special emphasis is placed on the preservation of the original structure and features as well as increased protection against water and frost in the future.

RENOVATION

From old to new

THE EASY WAY TO RENOVATE YOUR FAÇADE

- **Simple**
- **Quick**
- **Durable**

A façade is not just a means of decoration, but is also a protective shield for every building. As such, it is exposed to many different environmental stresses on a daily basis, which can leave their mark over time. From sun-induced colour fading to deep cracks and algae or mould infestations, there are many different factors that can rob a façade of its initial shine and prevent it from functioning properly.

Whatever the reason, Baumit has the right system solution for every renovation. Starting with professional substrate preparation right through to the final coat of Baumit façade paints or render.

It's all about the base

In order to ensure that the topcoat adheres securely, the substrate must be sufficiently sound, dry, stable and free of dust and frost. The substrate must therefore be assessed before the start of the painting work and any necessary substrate preparation must be carried out to bring it up to the required standard.

Cracks smaller than 0.5mm

Has time taken its toll on your façade? As well as faded colours, is it already showing its first hairline cracks? In this instance, you should not delay, because small cracks in a façade allow water to penetrate, which can then freeze in the winter, resulting in far greater damage. For cracks smaller than 0.5 mm, all you need is to coat the façade with two layers of one of Baumit's high-quality façade paints. Before doing this, you just need to fill in the cracks by painting over them with **Baumit FlexaColor**.

Cracks greater than 0.5mm – standard renovation

In addition to showing the first signs of age, does your façade already have larger cracks that are clearly visible to the naked eye? Immediate action is required at this point, as the larger the crack, the more water can penetrate and cause long-term damage to the structure.

Baumit's MultiContact MC55 is helpful here. Thanks to its innovative formula, it is water-repellent and flexible, making it the ideal reinforcing mortar for Baumit StarTex textile-glass mesh. You can subsequently texture Baumit MultiContact like a conventional render and add the finishing touch to your façade with one of Baumit's high-quality paints.

Cracks greater than 0.5mm – premium renovation

Do you want to get the best result for your façade so that you won't have to worry about fading, dirt or cracks again for many years to come? If so, there is a high-class renovation solution that provides lasting protection against the most common mechanical and environmental influences.

Reinforce your façade with **Baumit MultiContact MC55** or **Baumit StarContact White** and **Baumit StarTex**. Instead of Baumit Colour façade paint, you can then apply one of the high-quality exterior paste renders, such as **Baumit NanoporTop** or **Baumit SilikonTop**, to the smoothed substrate.

NO CRACKS	CRACKS < 0.5 mm	CRACKS > 0.5 mm	
			
■ Quick ■ Easy ■ Beautiful	■ Filling ■ Quick & easy ■ Shining new	**Without render:** ■ Fast ■ Flexible ■ Durable	**With render:** ■ Strong ■ Extremely long-lasting ■ Premium Solution
			
			

PREMIUM SOLUTION

RENOVATION

Protecting Heritage

PROFESSIONAL RENOVATION

- **On damp and salt-contaminated walls**
- **For different renovation issues**
- **Durable protection for decades**

Surface measures alone can only temporarily cover up damage to the fabric of the building. Only by eliminating the cause of the damage, for example by repairing a broken water pipe or preventing surface or ground water penetration, is it possible to achieve longterm restoration.

Baumit Renovation Systems

These provide a systematic method for professionally renovating rendered surfaces and façades that have been damaged by moisture and salts. The breathable structure of Baumit Sanova products ensures that water can evaporate from damp walls. Harmful salts from the substrate are also transported and deposited in the pores of the Baumit Sanova renders provided for this purpose. To achieve a long-lasting, beautiful render surface, damp masonry must first be dried out, and it is necessary to ensure that no new damp can enter the walls.

Baumit Sanova Renovation System

For damp, salt-contaminated masonry

This system is perfect for owners of buildings worthy of preservation who want to renovate the render in an environmentally friendly way. Sanova is perfect for restoring and protecting historical building structures, which have moderate damp and are contaminated by salts. A proven, durable renovation render system that does a good job, not only outside but also indoors.

SANOVA RENOVATION SYSTEM

- **Highly durable**
- **Heat insulated**
- **For damp and salt contaminated masonry**

NanoporTop	FINAL COATING
PremiumPrimer	PRIMER
Sanova SP 64 F OR Sanova SP 64 G	RENDER LAYER
Sanova SV 61	PRETREATMENT
AntiSulphate	SUBSTRATE PRETREATMENT

RENOVATION

Substrate Preparation

BAUMIT PRIMERS

The perfect solution

The correct substrate preparation is the key to a flawless end result of your renovation project. Which preparation to use depends on the constitution of the surface. Baumit determined different scenarios that a façade might suffer from resulting in the need for renovation.

From just dirty, highly water absorbing to sandy or peeling render/paint up to algae and moulds, as well as minor or even deep cracks. The substrate preparation products from Baumit guarantee a quick and long-lasting solution.

The finishing touch

After the correct pretreatment of the surface, two layers of Baumits high quality façade paints are mostly enough to bring back the initial sheen of the façade. Depending on what you need, you can choose between Baumit NanoporColour, with its unique self-cleaning effect, Baumit StarColour with its ultra-water-repellent surface, the all-rounder Baumit PuraColour, or any other of Baumits façade paints. If you are looking for some extra protection, you can go for one of Baumits highly resistant renders instead of façade paints as a final topcoat.

For High Water Absorbancy: Baumit MultiPrimer

Water-vapour-permeable primer for stabilising mineral and organic surfaces before the application of all Baumit façade renders and paints. Solvent-free.

Remove Algae and Mould: Baumit FungoFluid

Ready-to-use, water-based solution for the treatment of façades and wall areas affected by fungi and/or algae.

Preparation of Dirty Walls: Baumit ReClean

Concentrated cleaning agent with strong cleaning and grease removal power for all renders. Biodegradable. Depending on the degree of soiling, use undiluted or diluted by up to 1:10 with water.

For Sandy Surfaces: Baumit ReCompact

Primer for stabilising sandy, powdery mineral plasters. Suitable for lime/cement and chalky plasters. Not suitable for exposed masonry!

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Ideas with a future.

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