

# Healthy Living



**Baumit Klima  
interior products  
to support  
Healthy Living**



**Ideas with a future.**

**Baumit  
Klima**



## Healthy Living



## Healthy Living

Humans consume up to 13.5 kg of room air and only 1.5 kg of fresh air per day - with so much time spent indoors, the quality of the air is important. Humidity, purity and temperature all have a decisive influence on our quality of life and thus our health. To save energy, our homes are becoming denser. In order to ensure that the indoor air remains 'healthy' and does not affect our well-being, attention must be paid to the quality and function of the building materials we use. These usually stay in the building forever so must not give off any pollutants, because bad air can affect our health.



### Microporous texture gives impressive performance

Baumit Klima plasters regulate moisture in a similar way to the human lung. With their microporous texture, they form a huge climate-regulating surface. Compared with other building materials, Baumit Klima plasters absorb a large quantity of moisture within a short time, and when room humidity is low, they gradually release the moisture back into the surrounding environment. This leads to a significant reduction of humidity peaks in the room and ensures a pleasant and balanced indoor climate.

### Moisture buffer for more hygienic living

Thanks to their climate-regulating properties, Baumit Klima plasters act as large moisture buffers, consistently ensuring a balanced indoor climate, reducing the risks of mildew and mould. Their high pH value of 12 – 13 gives them anti-mildew and antibacterial properties. In addition, their anti-static surface means that they cannot gather fine dust.







## Viva Research Park

For more than 25 years, Baunit has been focusing on the subject of **healthy living** and has launched numerous innovative products in this area. However, it has become clear that at present there are still few scientifically sound statements about the effects of building materials on health and well-being. Therefore, in 2015 a Europe-wide unique research project was launched.

### A unique research village

In order to simulate real living situations and to be able to investigate the connection between building materials and their effects on the human organism, the largest building material research park in Europe has been launched: A research 'village' consisting of 12 model houses has been built using the most diverse building materials - from solid construction, concrete, solid bricks and lightweight wooden construction.

The houses were built directly behind the new Baunit Innovation Centre in Wopfung, 50 km south of Vienna. The standardised houses, with an external dimension of 4 x 5 meters were provided with varying interior and exterior coatings. For all, the same outdoor climatic conditions and the same U-value apply.

### Conclusion after 2 years

After two years of intensive research analysing and evaluating 5 million data findings, it is clear that construction methods and materials have a significant impact on health and housing quality. Baunit is today able to advise on how to build a healthy home and improve the quality of living permanently.

### Insulation first

Findings from the research park showed, in almost all comfort ratings, the uninsulated house performs worse. With up to 250% more energy consumption than in an insulated house – fact! Houses with good external insulation and thick walls store energy best and will optimally compensate for short-term temperature fluctuations. Interior plasters with a thin layer (1.5 - 2 cm) already make a significant contribution to the buffering capacity of interior walls.

*"We want people to feel healthy and alive in their living environment. Everything we need for that, we examine here."*

Robert Schmid

### Healthy living

Healthy living, we have learned from the research results, consists of freedom from harmful substances, a healthy indoor climate and improved indoor air quality. All these factors can be decisively influenced by selecting the right construction products.

Biological factors such as mould, bacteria, viruses and parasites and chemical parameters such as odours, solvents, CO<sub>2</sub>, smoke and volatile pollutants (VOC) affect quality of life. When building or refurbishing, Baunit Healthy Living products help to ensure that disruptive emissions either disappear or do not even occur. The Baunit Klima range creates comfort and will regulate the indoor climate.



## A system for every finish

Baumit Klima products are impressive when used in a system, and they offer the perfect solution for every taste. Whether your interior walls are smooth, fine textured or highly textured, with their indoor climate-regulating properties, the products in the Baumit Klima range are always the right choice.

### Smooth

This system transforms your interior walls into uniquely smooth surfaces, thus giving them an exceptionally modern look. Baumit Klima KP36 W is used as a plaster undercoat. With its optimal moisture buffering, this highly vapour-permeable, natural white, undercoat plaster ensures an excellent indoor climate.

In the next step, Baumit KlimaGlatt W or the ready-to-use KlimaFinish makes the finished surface incredibly smooth.

Add an individual touch by painting with two coats of Baumit KlimaColor. This high-quality, natural, mineral and silicate-based paint impresses with its good application properties.

### Fine texture

If you want a fine texture for your interior walls, Baumit Klima KP36 W is the right choice for you. With a grain size of 1.0 mm, you can use it to create fine textures that give your interiors a very special touch. And you can get even more creative! Once you have applied Baumit Klima KP36 W, you can then paint it directly with two coats of Baumit KlimaColor. Available in Baumit Life colours ending with 7, 8 or 9.

### Textured

Baumit KlimaDekor produces vibrant, highly textured and beautiful surfaces. This ready-to-use, thin-layered finishing coat can be applied easily and quickly, as well as being low-emission and solvent free. Baumit Klima KP36 W is used as an undercoat plaster for this. You can then add a coat of Klima Primer to create the perfect substrate. Its high-quality formula guarantees exceptional anti-porosity performance and optimal adhesion, as well as the beautiful resulting texture of Baumit KlimaDekor.







## SMOOTH



- Incredibly smooth surface
- Modern and individual
- Indoor climate-regulating

2x KlimaColor

KlimaGlatt W / KlimaFinish

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Klima KP36 W

## FINE TEXTURE



- Fine textures
- Fast application
- Creative design

2x KlimaColor

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Klima KP36 W

## TEXTURED



- Vibrant, beautiful surfaces
- Simple and quick application
- Natural

KlimaColor

KlimaDekor

KlimaPrimer

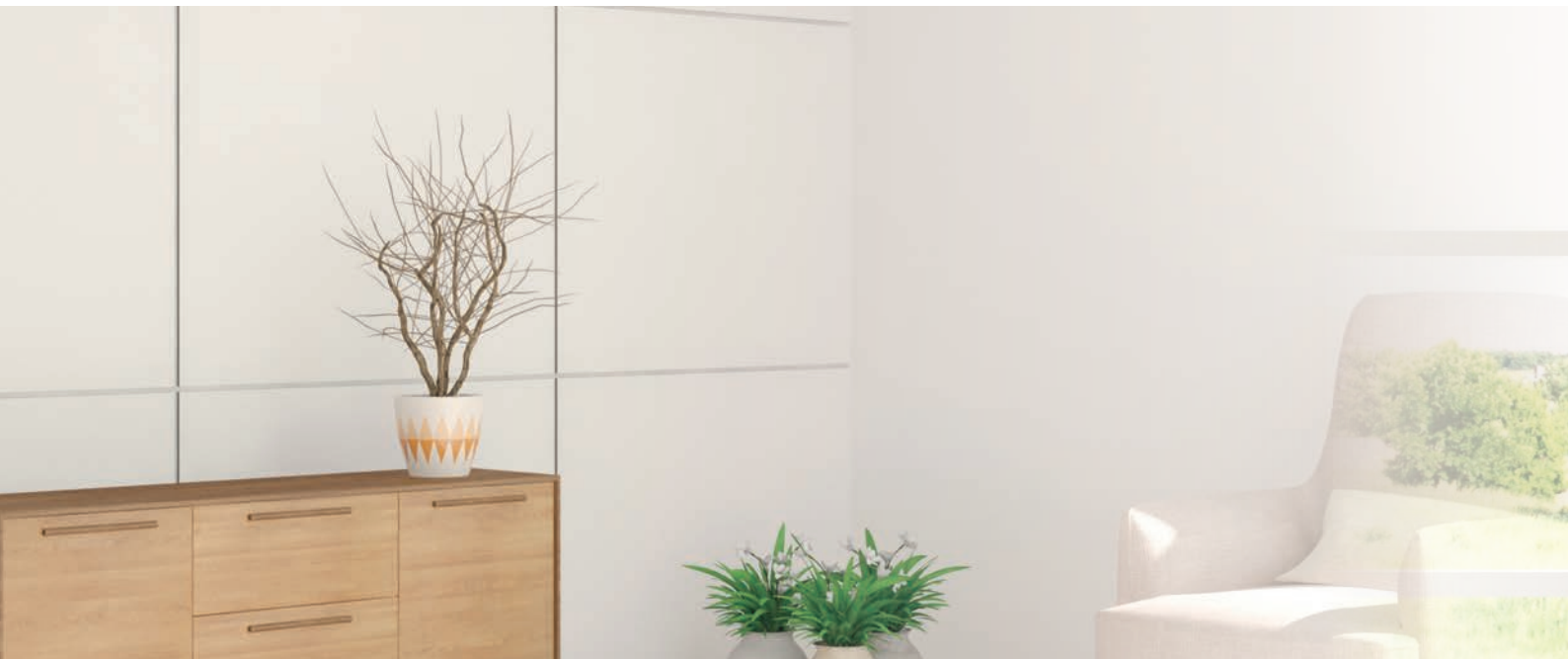
Klima KP36 W

PAINT

FINAL COATING

PRIMER

BASECOAT



## Products

Healthy living starts with the right choice of building materials. Above all, a balanced room climate is important - optimum, stable humidity and room temperature contribute significantly to our well-being. The Baumit Klima products are designed to promote these properties.

### Healthy Living - Better Living

With 90% of our time spent indoors, the air quality inside our homes is important for maintaining good health. With a focus on conserving energy, our 'living spaces' are becoming increasingly impermeable. Achieving an optimum, stable humidity and room temperature makes a significant contribution to well-being, so it is essential to consider the quality and function of the construction materials used.

### Products - Klima

Moisture regulating, lime-based and non-toxic. Products from the Baumit Klima range regulate the indoor climate completely independently. The result is a very pleasant indoor climate – not too humid and not too dry, throughout the year. Scientifically proven by Viva Research Park. Baumit Klima products stabilise the moisture content of our indoor air, quickly absorbing excess moisture, storing it and, if necessary, quickly return it back to the air.

### Systems

Whether you require a smooth, fine or textured surface, the Baumit 'air conditioning' systems combine individual design styles with optimal room climate, for a healthy home.

#### INTERIOR WET PLASTER



##### Baumit KlimaDekor

- Improves the indoor climate & highly permeable
- Used for textured finishes & can be tinted
- Pollutant-free & mould resistant

Mineral, breathable, naturally white and soft textured plaster based on lime. Emission- and solvent-free and free from preserving agents. Ready to use and available in Baumit Life colours ending 8-9.



##### Baumit KlimaFinish

- Improves the indoor climate & highly permeable
- Ready to use for a high quality Smooth surface finish
- No harmful substances & mould resistant

Soft, naturally white lime-based smoothing cement for inside to ensure high-quality smooth surfaces on rendering bases containing lime and/or cement, concrete and gypsum plasterboard. Perfect for manual and machine application.

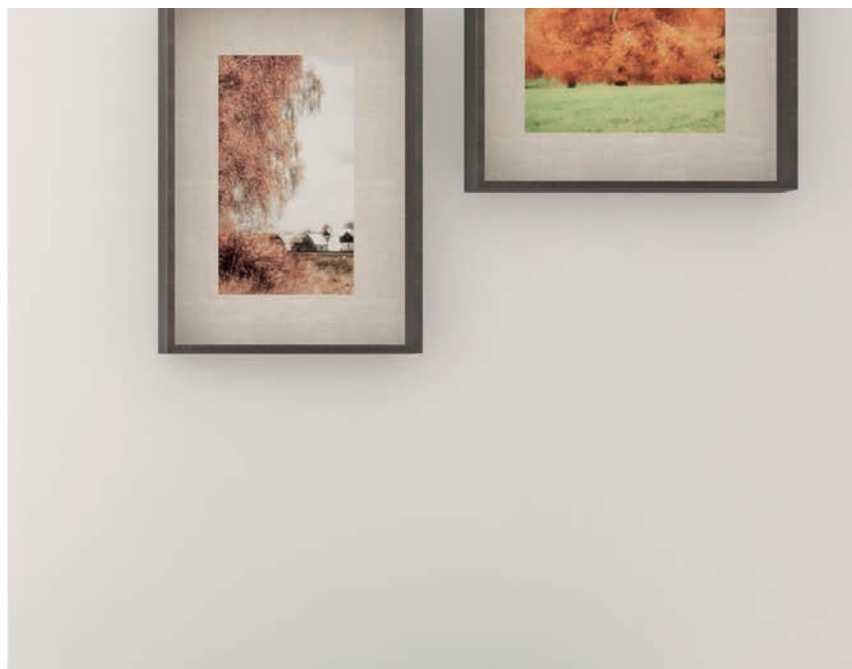
#### FINE PLASTER



##### Baumit KlimaGlatteW (KlimaFino)

- Improves the indoor climate & highly permeable
- High quality, smooth surface
- No harmful substances & mould resistant

Naturally white, powdery lime-based smoothing cement for interiors to ensure high-quality smooth surfaces on rendering bases containing lime and/or cement, concrete, cellular concrete and gypsum plasterboard. Perfect for manual and machine application.



## LIME BASED PLASTER



### Baunit **KlimaKP36W** (KlimaWhite)

- Improves the indoor climate & highly permeable
- Natural white
- Pollutant-free & mould resistant

Actively regulates indoor air humidity including in wet rooms. The natural microporous structure ensures rapid absorption and release of water vapour for an excellent indoor climate. Suitable for machine application.

## INTERIOR PAINT



### Baunit **KlimaColor**

- Highly permeable and moisture-regulating
- Emission- & Solvent-free (E.L.F.)
- Excellent paint coverage

Breathable one-component silicate colour with good covering power. Very low odour, emission- and solvent-free and free from preserving agents. Ready to be applied by rolling, painting or by airless spray. Available in Baunit Life colours ending 7-9.

## PRIMER



### Baunit **KlimaPrimer**

- For absorbent and chalking substrates
- Emission- & solvent-free
- Priming coat for optimal adhesion

Primer for use on top of plaster to prepare the surface prior to the application of Baunit KlimaDekor and Baunit KlimaColor. Low odour, emission- and solvent-free.

## LIME BASED PLASTER



### Baunit **KlimaRK70N** (KlimaPerla)

- Improves the indoor climate & extremely breathable
- Universally applicable
- Pollutant-free & mould resistant

Mineral, naturally white calcite-bound finishing coat for inside. Best used as a final coat on rendering bases containing lime and/or cement as a thin coating plaster on concrete, cellular concrete and gypsum plasterboard. Good water vapour permeability and improvement in the internal climatic properties. Suitable for application manually and by machine. Grain size: 0.6 mm



### Baunit **KlimaRK38**

- Permeable, and regulates indoor climate
- Natural white
- Pollutant-free & mould resistant

Cement-free, natural-white lime render for internal areas. Suitable as a base coat and finish coat for fine textures. Grain size: 0.8 mm



### Baunit **KlimaRK39**

- Cement Free
- Natural white lime
- Internal & external use

Cement-free, natural white, lime render for external and internal areas. Suitable as a base coat and finish coat. Specially developed for greater thickness. Grain size: 3.0 mm



**All at  
a click.**

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