



# Baumit KWP 05

<b>Product</b>	Factory prepared dry powder mortar in accordance with DIN 18557 and DIN EN 998-1. Mineral, natural white, or coloured roughcast coat décor render for manual application.																						
<b>Intended use</b>	Mineral décor render finish to be applied directly onto all standard mineral base coats, insulation renders, salt retention renders, fillers and the reinforced meshing coats of ETICS. For producing roughcast textures, especially as classic roughcast coat in external and internal areas and areas subject to high humidity. Component of the Baumit External Wall Insulation System with mineral wool or polystyrene insulation boards.																						
<b>Composition</b>	Silica sands, lime, white cement, and additives to improve workability and adhesion. Coloured finishes contain additional lime-, cement-, and light-resistant pigments.																						
<b>Properties</b>	Workable, mineral, smooth and versatile roughcast coating for producing creative designs. Once hardened, they are water vapour and CO <sub>2</sub> permeable, frost resistance, non-combustible and weather resistant with especially low staining tendencies due to effectively increased surface area.																						
<b>Technical Data</b>	<table border="0"> <tr> <td>Mortar group:</td> <td>CS II according to EN 998-1</td> </tr> <tr> <td>Compression strength:</td> <td>1.5 – 5.0 N/mm<sup>2</sup></td> </tr> <tr> <td>μ-value:</td> <td>10-15</td> </tr> <tr> <td>Water absorption</td> <td>W 2 (DIN EN 998-1), water repellent</td> </tr> <tr> <td>Conductivity value <math>\lambda_{10,dry}</math> (Tabled values acc. EN 1745)</td> <td>≤ 0.93 W/(mK) (for P = 90 %) ≤ 0.83 W/(mK) (for P = 50 %)</td> </tr> <tr> <td>Conductivity value <math>\lambda_R</math>: (Tabled values acc. DIN V 4108)</td> <td>1,0 W/(mK)</td> </tr> <tr> <td>Minimum thickness:</td> <td>As grain size</td> </tr> <tr> <td>Grain size:</td> <td>0-5 mm</td> </tr> <tr> <td>Water requirement:</td> <td>4.5-5.5 l/sack</td> </tr> <tr> <td>Material requirement:</td> <td>7.5 kg/m<sup>2</sup>/5mm (depending on method)</td> </tr> <tr> <td>Yield approx.:</td> <td>ca. 3.3 m<sup>2</sup> depending on method. It is recommended to determine the exact material requirement by creating a sample area.</td> </tr> </table> <p>Colours: Selected colours from Baumit Life® range available on request.</p>	Mortar group:	CS II according to EN 998-1	Compression strength:	1.5 – 5.0 N/mm <sup>2</sup>	μ-value:	10-15	Water absorption	W 2 (DIN EN 998-1), water repellent	Conductivity value $\lambda_{10,dry}$ (Tabled values acc. EN 1745)	≤ 0.93 W/(mK) (for P = 90 %) ≤ 0.83 W/(mK) (for P = 50 %)	Conductivity value $\lambda_R$ : (Tabled values acc. DIN V 4108)	1,0 W/(mK)	Minimum thickness:	As grain size	Grain size:	0-5 mm	Water requirement:	4.5-5.5 l/sack	Material requirement:	7.5 kg/m <sup>2</sup> /5mm (depending on method)	Yield approx.:	ca. 3.3 m <sup>2</sup> depending on method. It is recommended to determine the exact material requirement by creating a sample area.
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<b>Packaging</b>	Paper bags, content 25 kg (42 bags per pallet = 1050 kg)																						
<b>Storage</b>	Dry and protected. Do not store for longer than 6 months.																						
<b>Quality Assurance</b>	Continuous monitoring and quality control and strict control of all input raw materials. The company has a TÜV tested and certified quality management system according to international standard DIN EN ISO 9001 and a TÜV-tested and certified environmental management system according to international standard DIN EN ISO 14001.																						

<b>Health and Safety</b>	Hazard label:	Xi Irritant
	Risk phrases:	
	R 36/38	Irritates the eyes and skin.
	R 41	Risk of serious eye damage.
	Safety phrases:	
	S 2	Keep away from children.
	S 24/25	Avoid contact with skin and eyes
	S 26	In case of eye contact, rinse with plenty of water and seek medical advice.
	S 36/39	Wear suitable protective clothing and safety goggles.
	S 46	If swallowed, seek medical advice immediately and show the container or label.

Low Chromate content according to TRGS 613.

## Background

The background should be stable, frost free, free of any contaminants and film forming layers (dirt and dust). The basecoat and the background should be fully cured, flat, dry and the surface roughened (minimum standing time: at least 1 day/mm coating thickness).

Smooth concrete surfaces should be treated with a suitable bonding coat (for example Baunit MC 55 W). Highly absorbent basecoats should be treated with Baunit DG 27 (undiluted onto gypsum backgrounds). Friable basecoats are to be treated with a stabiliser such as Baunit PutzFestiger. Backgrounds derived from wood including plasterboard should be treated with a suitable primer such as Baunit SperrGrund to prevent staining. Allow to dry for at least 24 hours.

## Application

Use only clean water, without admixtures mixing in the standard procedure. For large areas use the same amount water per sack throughout. Can be manually mixed in a bucket or tub, depending on quantity, using an electric hand mixer.

Mortar mixing pumps or continuous mixers provide a more efficient mixing and application of the bonding mortar. Keep tools, tubs and machines clean. Baunit KWP 05 is usually cast on with the trowel. Avoid any imperfections in the coat. Depending on the method it may be necessary to apply appropriate basecoats to achieve water repellent plaster systems.

Application onto insulation plaster: Pre-treat with Baunit DP 85 before coating with Baunit MC 55 W (c. 5 mm thick). The DP 85 must be sufficiently cured (minimum standing time 10 days).

Plan and carry out the application systematically to avoid scaffold lines! A coat of levelling paint must be applied in addition to mineral-based décor renders.

Hints Do not apply in direct sunlight, rain or wind and protect the finished work until fully cured (scaffold nets). In case of rapid dehydration, dampen the finished work with water at regular intervals. High humidity and low temperatures can increase the curing times considerably. Stainless steel plaster beads should be fixed with mortars, not with gypsum products.

To avoid color variations in the material, the requirements for an entire project should be ordered in a single batch. Delivery is then possible in small lots. When applied to EWI Systems or thermal renders, the colours selected should have HBW reference values not below 20.

When using several pallets of the same material, use bags alternately.

Protect other materials such as glass, ceramics or metal etc. from contamination with appropriate coverings.

Clean tools after use with water.

## Further Information

**Do not apply or allow to dry under an air or wall temperature of +5°C and falling or more than +30°C. Observe the guidelines stated in the Data Sheet "Equalising paint onto décor renders", DIN EN 998-1, DIN V 18 550 and DIN 18 350 (VOB, part C).**

The information contained in this product data sheet together with any additional written or verbal information provided by Baunit is based on Baunit's previous experience of this product and reflects Baunit's current understanding of the properties of the product. However, the Customer acknowledges that the advice given in this product data sheet is not intended to be legally binding nor to create any obligation which is legally enforceable against Baunit. It is the customer's responsibility to make its own enquires and investigations into the properties and use of this product and to verify that the product is fit for the customer's intended use. Baunit reserves the right to make changes to the product without prior notice.

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