



# Baumit **Kalkin** RK 70

## Lime contact mortar

<b>Product</b>	Factory prepared dry powder mortar according to EN 998-1. Lime based, fine grained contact mortar for manual and machine application. Part of the Baumit <b>Kalkin</b> range of products for healthy living.	
<b>Intended use</b>	Lime based contact mortar: Universal, fine topcoat finish over all standard basecoat renders/plasters excluding gypsum based plasters. Suitable for use in internal and external areas. A range of finishing techniques including plain finely sponge floated, spraying, slurring or freestyle texturing can be used. Baumit <b>Kalkin</b> RK 70 N can be used as a keying coat to prepare substrates to receive lime based plaster and render coatings. The product may be used as a topcoat finish in the plinth area subject to the provision of a gravel drainage system and if waterproofing measures have been completed before backfilling.	
<b>Composition</b>	Sand, lime, hydraulic lime, trass lime and additives to improve workability and adhesion.	
<b>Properties</b>	A pure lime plaster which fulfills the physical and biological considerations within the built environment. Easy to use contact mortar with a range of uses. Once cured, the product has good bonding strength, is water vapour permeable and resistant to weathering, water ingress and frost penetration. For use in external and internal areas.	
<b>Technical data</b>	Aggregate size:	0-0,6 mm
	Compression strength:	1.5 – 5.0 N/mm <sup>2</sup>
	Water vapour diffusion resistance $\mu$ -value:	ca. 10
	Thermal conductivity $\lambda_{10, dry}$ :	$\leq 0.93$ W/mK (P = 90 %, tabulated) $\leq 0.83$ W/mK (P = 50 %, tabulated)
	Water requirement:	7-8 l/sack
	Consumption:	1.4 kg/m <sup>2</sup> /mm
	Yield:	8.9 m <sup>2</sup> /sack (nominal 2 mm thickness) 21 l/sack
	Minimum layer thickness:	2 mm (topcoat layer) 5 mm (keying layer)
	Capillary water absorption:	W 2 (EN 998-1)
<b>Health and safety</b>	Hazard label:	Xi irritant
	R-phrases:	R 36/38 Irritates the eyes and skin R 41 Risk of serious eye damage R 43 Contact with skin can cause sensitisation
	S-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 see medical assistance S 37/39 Wear suitable protective clothing and safety goggles
	Low Chromate content according to TRGS 613 (cement free)	
<b>Storage</b>	Store in dry conditions and protected on pallets for up to 6 months.	
<b>Quality assurance</b>	Continual monitoring and inspection of the quality of all raw materials upon reception. The manufacturer has a TÜV tested and certified Quality Management System in accordance with the international standard EN ISO 9001 and a TÜV tested and certified Environmental Management System in accordance with the international standard EN ISO 14001.	
<b>Packaging</b>	Sack 25 kg. 1 pallet = 42 sacks = 1050 kg	

**Substrate** Substrates must be sound, clean, dry, free from frost, dust and efflorescence. Basecoat renders should be fully cured. Any cracks are to be scraped open with a pointed tool to form a "V" groove. High suction substrates must be dampened with water. Very smooth substrates surfaces should be roughened or pretreated with Baunit **Haftmörtel HM 50** contact mortar. Friable basecoats must be pretreated with a stabiliser such as Baunit **PutzFestiger**.

**Application** **Mixing:**  
Baunit **Kalkin RK 70 N** can be mixed with clean water in a tub to a lump free, creamy consistency with an electric hand mixer. Material which has started setting must not be remixed with water. Mixing with other products (e.g. anti-frost agents or accelerating agents) is not permitted.  
Automated continuous horizontal mixers may also be used. For small areas the contact mortar can be manually applied. For larger areas the freshly mixed mortar can be fed into a mortar pump for spray application. Alternatively, a mortar mixing pump will provide an all-in-one mixing and spraying solution.

**Topcoat finish:**  
Baunit **Kalkin RK 70 N** as a fine topcoat finish plaster is applied onto the basecoat and smoothed out flat with a trowel or spatula to a min. thickness of 2 mm. Upon setting the surface can be lightly rubbed over with a fine sponge float in tight circular motions to produce a fine, plain finish. A particularly smooth finish can be achieved by applying another thin coat of the contact mortar the following day. Other finishing techniques such as freestyle texturing, soft brushing etc. are also possible. A paint finish may be applied if required.

**Preparation of render and plaster substrates:**  
Baunit **Kalkin RK 70 N** is applied to a min. thickness of 5 mm (with embedded Baunit **StarTex** reinforcing mesh where necessary) and the surface keyed with a stiff brush or plasterer comb. Allow to dry for 1-2 days.

**Further information** The air, material and background temperature must be above +5° C during application and curing.  
Protect the facade from direct sunlight, rain and strong winds (i.e. with scaffold nets).  
In hot and/or windy weather dampen the finished work at regular intervals with a water mist sprayer to aid hydration.  
High air humidity and low temperatures can prolong drying times considerably.  
Clean tools with water.  
Protect other materials such as glass, ceramics or metal etc from contamination with appropriate coverings.

**Baunit topcoats:**  
Refer to the relevant Baunit Product Data Sheet for information.

This Product Data Sheet has been issued by:

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