

RK 70 N Fine lime render

Technical Data Sheet Last Updated Sept 2004

Product	Factory prepared dry powder mortar in accordance with DIN 18557 and DIN EN 998-1, lime bound, fine grained render, for manual and machine application.	
Suitable Uses	<p>Universal, fine-grained cement free render as a finishing coat, for all external and internal areas, including those subject to high humidity. A range of finishing techniques including plain finish, sponge finish, sprayed, slurried or textured can be applied.</p> <p>Can be applied onto all standard backgrounds, except gypsum. As a bonding mortar for the further application of lime plasters or as a plain finish render with good adhesion performance onto existing facades.</p> <p>Ideal for locations where building and human health issues are relevant and for historic conservation work. As a render finish in the plinth area with the provision of a gravel drainage.</p>	
Composition	Sand, natural, eminently hydraulic lime (cement free), and additives to improve workability and adhesion.	
Performance	Demonstrates the positive qualities required for the physical and biological considerations within the built environment. Suitable for machine application, good workability and can be textured using a range of finishing techniques.	
Technical Data	Mortar group:	CS I acc.to DIN EN 998-1 (P I c acc.to DIN 18550)
	Grain size:	0 – 0,6 mm
	Compression strength:	1,5 – 5,0 N/mm ²
	Conductivity value	≤0,93 W/mK (for P = 90 %)
	(Tabled values acc. EN 1745)	≤0,83 W/mK (for P = 50 %)
	μ-value:	approx. 10
	Water requirement::	7 - 8 l/Sack = 280-320 l/t
	Yield:	approx. 21 l/sack = approx. 840 l/t
	Coverage:	1,2 kg/m ² /mm
Packaging	Paper sacks, sack content 25kg, (42 sacks per pallet = 1050 kg)	
Storage	Dry and protected, do not store for longer than 6 months.	
Quality Assurance	The product undergoes in-house monitoring, using a quality management system which conforms to the current international standard DIN EN ISO 9001 and the environmental standard ISO 14001, certified by TUV.	
Health and Safety	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	

Background	<p>The background should be stable, dust and dirt free, and able to receive a coating. Basecoats should be fully cured. Any cracks are to be scratched open with a pointed tool to form a „V“ shape. Smooth concrete surfaces to be prepared with a bonding mortar, for example “HM 50”. Highly absorbent backgrounds are to be dampened with water. Friable basecoats are to be treated with a stabiliser such as PF 05 (Plaster Stabiliser). Ensure adequate provision of ventilation during application.</p>
Application	<p>Use only clean water, without additives. Do not mix with other materials. RK 70 N Fine Lime Render can be manually mixed in a bucket or tub, depending on quantity, using an electric hand mixer. Do not over mix. Do not remix once it has set.</p> <p>As a render finish RK 70 N is usually applied and finished in two stages, using a steel trowel. The RK 70 N is applied and smoothed out flat, ensuring full, even coverage of the surface area (approx. 2 mm thick). On stiffening, the surface can be sponged over to produce a smooth, flat, matt surface finish.</p> <p>As a bonding mortar, RK 70 N is applied to a thickness of 3-5mm, and on stiffening, roughened with a grid float and left to harden for 1-2 days. Alternatively an immediate “wet-in-wet” , thin coat application of Pure Lime Plaster RK 38 may be applied onto the RK 70 N.</p>
Hints	<p>Avoid direct sunlight and draughts (Scaffold nets).</p> <p>In the case rapid dehydration, dampen the finished work with water at regular intervals. Control the heating of internal rooms with care. Rapid drying out through heat can negatively effect the hydraulic reaction of Fine Lime Render RK70 N. Do not mix RK 70 N with gypsum.</p> <p>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 DIN 18550 and DIN 18350 (VOB, Part C).</p>

Our user recommendations, which we provide in support of the buyer/user on the basis of our experience, correspond to the present state of the art technology and practice. They are not binding and do not constitute any contractual legal relationship or any accessory obligations from the purchase contract. They do not relieve the buyer of the obligation to check our products for himself as to their suitability for the intended application. The general rules of construction engineering must be observed. The right to make changes in the interests of progress and the improvement of the product or its application is reserved. This Technical Information invalidates and supersedes all previous issues. Please refer to our Internet pages for the latest information.