

THERMAL PLASTER

Product Data Sheet

PRODUCT DESCRIPTION

KRS Blok Thermal Plaster is a cement based, lightweight, insulating render/ plaster designed to provide significant gains in thermal insulation on internal and external walls whilst retaining vapour permeability in the structure. It allows the structure to breathe, preventing the risk of moisture damage and mould. It provides high workability due to its low density, does not crack, is fire resistant, long-lasting and flexible.

APPLICATION

KRS Blok Thermal Plaster is suitable for plastering wide range of backgrounds concrete, exposed concrete, gas concrete, pumice blocks, brick, rough cast and plaster board surfaces. It can be applied by trowel or a suitable spray machine for quicker application in medium to large projects. If using a trowel, one should throw a trowel full of **KRS Blok Thermal Plaster** at a time in rows across the wall. There will be time to even these out into a flat surface with a long, straight edge to get a homogenous finish. At least 40mm should be applied to ensure acoustic properties and uniform layers of 20mm should be built up to required depth. With the purpose of providing 20mm thickness, plaster strips should be adhered to the wall with 1.5m intervals. Each layer should allowed to be cured for 4 hours before the next level is applied.

MIXING

KRS Blok Thermal Plaster is a pre-mixed product and requires only clean water to prepare it for application. The mixing equipment should be clean in order to get perfect results. One should dispense 7kg of **KRS Blok Satin Putty** in 12.5L of clean water. After waiting for 2 minutes for water to penetrate the material, **KRS Blok Acoustic Plaster** should be mixed for 3 minutes with an electric mixer on low speed. If needed, up to 3L more water can be added to achieve the right consistency. It should be mixed for 2 more minutes yet again to avoid lumps. Over-mixing will lead the aggregates in the **KRS Blok Acoustic Plaster** to break, causing the plaster to cover less than the stated area. The mixed product is usable for 100-120 minutes. Do not add any other substance to the mixture.

PRODUCT DETAILS

Total Coverage Per Bag According to Thickness (m ²)	Thermal Conductivity (W/m ² *k)	Setting Time	Water Requirement (L)	Pallet Quantity (Kg)
1 m ² @ 2 cm thickness	0.093	Depends on weather conditions	%180 12.5 L	60 bags 420 kg

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APPLICATION DETAILS FOR DIFFERENT BACKGROUNDS

BOARD BACKGROUND

KRS Blok Thermal Plaster can be applied to cement-based boards. The background must be perfectly dry and free from dust, bacterial pro proliferation, saline efflorescence, oils, grease, wax, residues of previous work etc. When applying on cement based boards, skimming should be applied only on the face of the boards. Before skimming, all the joints and corners must be reinforced with self-adhesive wide glass fiber tape. Suitable primer should be used. Skimming should not be done directly to the joints and corners of boards. Corner beads can be used for external angles and edges if necessary. After these applications, one can apply **KRS Blok Thermal Plaster** as mentioned in application part.

UNDERCOAT BLOCS

KRS Blok Thermal Plaster can be applied directly on pumice block, AAC block and traditional brick. Before application ensure that the surface is clean and free from loose material and dust. In hot weather conditions, dampen the surface with water 5 minutes before the application. After these applications, apply plaster as mentioned in application part.

CONCRETE

KRS Blok Thermal Plaster can be directly applied to smooth concrete. The background must be free of dust, residues of previous work etc.

TECHNICAL SPESIFICATIONS

Bulk Density	: 370 kg/m ³
Compressive Strength	: 1,3 N/mm ²
Bond Strength	: 0,1 N/mm ²
Capillary Water Absorbtion	: 2,05 kg/m ²
Water Vapour Premability	: 3,13 μ
Thermal Conductivity	: 0,093 W/m.K
Reaction to Fire	: A1

