# ACOUSTIC PLASTER
Product Data Sheet

## PRODUCT DESCRIPTION

**KRS Block Acoustic Plaster** is a lightweight, cement-based plaster designed to significantly enhance sound and thermal insulation for both interior and exterior walls. It ensures the building's breathability while protecting against moisture damage and mold growth. Its low density facilitates easy application without the risk of cracking. Additionally, this plaster is fire-resistant, durable, and flexible, making it an ideal choice for enhancing building safety and longevity.

## INSTRUCTIONS FOR USE

It is essential that both the equipment and water used to prepare **KRS Block Acoustic Plaster** are clean. To prepare, slowly add 20 kg of **KRS Block Acoustic Plaster** to 15 liters of clean water. For mixing with a machine, 13 liters of water should be used. Avoid adding any external substances. Allow the mixture to sit for 3-5 minutes to fully absorb the water, then mix at a low speed with an electric mixer for approximately 3 minutes. Over-mixing may damage the aggregates within the plaster and adversely affect its performance. The prepared plaster should be used within 100-120 minutes of mixing.

## APPLICATION GUIDELINES

**KRS Block Acoustic Plaster** is compatible with a variety of substrates, including concrete, aerated concrete, pumice block, brick, rough plaster, and both gypsum and cement-based boards, as well as foam board and stone wool. Application should occur in temperatures ranging from +5°C to +35°C. Ensure that surfaces are dry, clean, and free of loose materials. Do not apply on frozen surfaces. Apply the plaster in layers of 20 mm, allowing each layer to cure for at least 4 hours before applying the next. This ensures optimal adhesion and effectiveness.

## STANDARDS AND CERTIFICATIONS

Produced under stringent quality controls, **KRS Block Acoustic Plaster** meets TS EN 998-1 standards and holds certifications under ISO 9001:2015 for quality management, ISO 14001 for environmental management, and ISO 45001 for occupational health and safety management systems.

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### PRODUCT DETAILS

| Total Coverage Per Bag According to Thickness ($m^2$) | Acoustic Insulation (db) | Setting Time | Water Requirement (L) | Pallet Quantity (Kg) |
|---|---|---|---|---|
| 2 m @ 2 cm thickness | 27 | Depends on weather conditions | Hand mixing: 75%, 15L Machine mixing: 65%, 13L | 55 bags 1100kg |

### PROFESSIONAL RECOMMENDATIONS

**KRS Block Acoustic Plaster** should not be used alone as an interior or exterior wall covering. After application, it is recommended to apply a mesh with **KRS Block Acoustic Plaster** followed by finishing with **KRS Block Satin Putty**. This process significantly reduces the risk of hairline cracks, especially in areas requiring filling and at the junctions between block and concrete, thus achieving a more durable and aesthetic result. This combination provides a smooth, high-quality surface that is unaffected by moisture and humidity, making it an ideal base for painting or wallpaper applications.

For further details, application tips, and other product options, please refer to the **KRS Block Satin Putty** product data sheet.

### TECHNICAL SPECIFICATIONS

- **Bulk Density** : 630 ± 30 $kg/m^3$
- **Compressive Strength** : 2.0 $N/mm^2$
- **Bond Strength** : 0.2 $N/mm^2$
- **Capillary Water Absorption** : 1.65 $kg/m^2$
- **Vapor Permeability** : 3.67 μ
- **Thermal Conductivity** : 0.151 W/m.K
- **Fire Reaction** : Class A1

ISO 9001 Quality Management | ISO 14001 Environmental Management | ISO 45001 Health and Safety Management | CE

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