BUILDING TRUST

PRODUCT DATA SHEET

SikaWall®-161 Plaster Mix

PLASTER AND BRICK ADHESIVE

DESCRIPTION

SikaWall®-161 Plaster Mix is a one component, pre-packed polymer modified mortar combining cement with selected grades of sand and several admixtures; used as light brick plaster, red brick plaster, and red brick adhesive.

USES

For plaster can be applied on various surface, such as :
- Light brick and red brick surface.
- Concrete surface that have been treated with bonding agent (e.g. Sika Latex® or SikaBond® NV)

CHARACTERISTICS / ADVANTAGES

- Multi function for plaster and brick adhesive
- Excellent adhesion
- Prevents hair cracks caused by material shrinkage
- More efficient, only 10 mm thickness for both type of application
- Easy to use and apply, just add water

PRODUCT INFORMATION

Packaging	40 kg bag
Appearance / Colour	Powder / Grey
Shelf life	9 months from date of production if stored properly in original, unopened and undamaged sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +5 °C and +30 °C.
Density	~1.65 kg/L

TECHNICAL INFORMATION

Compressive Strength	28 days	~6 N/mm²	(ASTM C-109)
Tensile Adhesion Strength	28 days	~0.3 N/mm²	(BS EN 1015-12)

APPLICATION INFORMATION

Mixing Ratio	Water : SikaWall®-161 Plaster Mix	6 - 6.4 L : 40 kg (by weight)
	Water : SikaWall®-161 Plaster Mix	1 : ± 3.5 (by volume)

Consumption	**Red Brick Adhesive :** ~1.25 m^2 per 40 kg bag (based on 10 mm thickness)* **Plaster :** Light brick : ~2.1 m^2 per 40 kg bag (based on 10 mm thickness)* *depend on substrate surface profile
Layer Thickness	For red brick laying : 10 mm (max. thickness 15 mm) For plastering : 10 mm (max. thickness 15 mm)
Ambient Air Temperature	+8 °C to +40 °C
Pot Life	~1 hours (at +30 °C)
Waiting Time / Overcoating	As brick adhesive before plaster - after 24 h As plaster before skim coat - after 7 d

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Application area surface must be clean, sound, level and uncontaminated by oil or grease.
Remove cement laitance, dust, and loosely adhering particles.
Absorbent substrates must be pre-wetted to saturated surface dry (SSD) conditions.

MIXING

- Pour 6 - 6.4 Litre of water into mixing vessel then add SikaWall®-161 Plaster Mix slowly and mix properly
- Mixing time is ~3 minutes. A slow speed mixer is recommended (300 - 600 rpm)

APPLICATION

As Brick Adhesive
- Apply with scoop then fix the brick. Proceed to apply while SikaWall®-161 Plaster Mix is still wet.
- Waiting time before plaster application minimum 24 hours. To get the best result use SikaWall®-161 Plaster Mix.

As Plaster
- Apply with flat trowel.
- Waiting time before skim coat application minimum 7 days. To get the best result use SikaWall®-181 SkimCoat.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use.
Hardened / cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

Protect the freshly applied product against direct sunlight.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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