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SCHOMBURG Building
Product Systems



Technical Data Sheet

THERMOPAL®-GP11

Art.-No. 2 01414

Air-entraining Ground Plaster According to WTA-Leaflet 2-2-91

Properties:

THERMOPAL-GP11 is a cement-lime based, ground and levelling plaster suitable for the restoration of wet and saline masonry on interior and exterior applications, containing THERMOPAL-SR44, THERMOPAL-SR44-white or THERMOPAL-SR24. It prevents the intrusion of water soluble salts in the masonry and in the green restoration plaster.

Areas of application:

THERMOPAL-GP11 is as an interior or exterior levelling plaster for uneven surfaces with excess moisture or salt contained in natural-stone or brick-stone masonry.

Technical Data:

Basis:	cement-lime- based mortar class of mortar PII
Colour:	grey
Water requirement:	36% = 9 l per bag
Cleaning of tools:	In wet condition with water. Hardened materials may only be removed mechanically.
Tests:	In accordance with WTA- Leaflet 2-2-91
Storage:	In dry storage for approx. 6 months in original closed sacks, use opened sacks promptly.
Packaging:	25 kg bag (40 bags/pallet)
Consumption:	8 kg/m ² per cm thickness of layer

Surface preparation:

The substrate must be load bearing, free from separating agents. Remove dust and other substances or residues. Older plaster coatings and slurries up to a thickness of 80 cm, or within the visible, contaminated area.

Scratch out and crumbling masonry joints down to a depth of 2 cm and clean the remaining surface mechanically.

Concrete surfaces must be open-pored.

Pre-treat with ESCO-FLUAT when the surface is affected by a high salt content.

Apply subsequently a spatterdash coat of THERMOPAL-SP as a bonding aid (coating density approx. 50%).

Product preparation:

Pour 6.5 liters of water into a clean vessel or mixer, adding 25 kg of THERMOPAL-GP11 (1 Bag). After mixing for approx. 4 minutes THERMOPAL-GP11 may be applied with a plaster machine or by hand.

When the layer thickness is greater than 3 cm the plaster is to be applied in several layers. Strike off the previous with a horse brush and roughen up horizontally, e.g. by using a saw blade.

The waiting time for applying the next layer is approx. 1 day per millimeter of plaster thickness. The waiting time must be regarded strictly, when applying greater plaster thicknesses. (above 2 cm) (see WTA-Leaflet 2-2-91 point 7.7, part. 2).

Important advice:

Very damp substrates can cause longer waiting times before surfaces roughening up.

The WTA-Leaflet 2-2-91 - Restoration Plaster Systems - is to be adhered to in application. (WTA = scientific-technical working group) Protect the surface from strong sunlight.

Protect non treated areas against the influences of THERMOPAL-GP11.

THERMOPAL®-GP1 1

Degree of salting ¹⁾	Measures	Layer Thickness [cm]	Notes
low	1. Spatterdash coat 2. THERMOPAL-SR24/-SR44	≤ 0.5 ≥ 2.0	Do not completely cover with spatterdash coat. Total layer thickness min. 2.5 cm, max. 4 cm roughen up previous coat. Drying time of individual coats 1 mm/day.
medium	1. Spatterdash coat 2. THERMOPAL-SR24/-SR44 3. THERMOPAL-SR24/-SR44	≤ 0.5 1 - 2 1 - 2	
high	1. Spatterdash coat 2. THERMOPAL-SR24/-SR44 3. THERMOPAL-SR24/-SR44	≤ 0.5 ≥ 1.0 ≥ 1.5	

¹⁾ To be determined and calculated by pre-testing.