

THERMOPAL®-GP11

WTA priming plaster



Material number	Contents	Unit of quantity	Packaging	Colour
201414004	20	KG	Bag	Grey

Product features

- Standard plaster mortar (GP) in accordance with DIN EN 998-1
- Cementitious pre-blended dry mortar
- WTA-certified

Advantages

- Vapour permeable
- Low consumption per surface area

Areas of application

- As base coat and levelling plaster
- For creating vapour permeable and dry plaster surfaces On damp and/or salt loaded walls

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Technical Data

Material properties

Base material	Pre-blended dry mortar
Consistency	Filler consistency
Grain size max	< 2 mm
Bulk density of fresh mortar	approx. 1.1 kg/dm ³
Compressive strength (classification DIN EN 998-1)	CS IV
Tensile adhesion strength (28 days)	≥ 0.08 N/mm ²
Capillary water absorption	Wc2
Water vapour diffusion coefficient μ	< 18
Thermal conductivity λ (Lambda)	approx. 0.47 W/m * K
Durability (frost resistance)	Resistant when applied in accordance with TM
Classification of the reaction to fire in accordance with DIN EN 13501-1	A1

Mixing

Mixing time	approx. 3 minutes
Water addition	From 5 l to 5.5 l per 20 kg
Yield, litre	approx. 24.5 l pro 20 kg

Application

Substrate temperature	from 5 °C to 30 °C
Pot life	approx. 60 minutes
Method of application, max. layer thickness per application step	to 30 mm
Consumption pro m ² and cm layer thickness	approx. 10 kg/m ²
Hardening process per 24 hours	min. 1 mm

Application technology

Aids/tools

- Stirrer (approx. 500-700 rpm)
- Suitable mixing paddle
- Trowel
- Flat trowel
- Plasterer's darby
- Grid float
- Spray equipment

Manual processing

- Can be trowelled off
- Can be smoothed with a smoothing tool

Machine application

THERMOPAL®-GP11 can be mechanically applied. For precise information, see the additional Technical Information No. 43.

Substrate preparation

Requirement for substrate

1. Load-bearing
2. Pore open
3. Free of adhesion inhibiting substances

Preparing the details

Scrape out crumbly masonry joints approx. 2 cm deep and clean the surfaces mechanically.

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Preparing the surface

1. Remove old, damaged plasters, paints or coatings from the substrate up to 80 cm above the visible damaged area or the area delimited through inspections. The substrate must be prepared so that it is load-bearing.
2. Pre-treat it with ESCO-FLUAT in case of salt contamination. Apply a semi-covering splatterdash coat of THERMOPAL-SP as a bond coat (degree of coverage approx. 50%). In conjunction with mineral waterproofing slurries, apply the adhesive splatterdash coat over the whole area with 100% coverage.

Usage

Measures depending on the degree of salting in accordance with WTA

Degree of salting †	Measures	Layer thickness (cm)	Comments
Low	1. THERMOPAL-SP 2. THERMOPAL-SR24/THERMOPAL-ULTRA/THERMOPAL-ULTRA-white	≤ 0,5 ≥ 2,0	
Medium to high	1. THERMOPAL-SP 2. THERMOPAL-SR24/THERMOPAL-ULTRA/THERMOPAL-ULTRA-white 3. THERMOPAL-SR24/THERMOPAL-ULTRA/THERMOPAL-ULTRA-white	≤ 0,5 1,0– 2,0 1,0– 2,0	Overall thickness: min. 2.5 cm; max. 4 cm roughen previous layers well
	1. THERMOPAL-SP 2. THERMOPAL-GP11 3. THERMOPAL-SR24/THERMOPAL-ULTRA/THERMOPAL-ULTRA-white	≤ 0,5 ≥ 1,0 ≥ 1,5	Drying times of the individual layers: 1 mm/day
† Identify and evaluate through preliminary inspections.			

Mixing

1. Pour the required quantity of water into a clean mixing bucket.
2. Completely add the powder and mix until homogeneous and free from lumps.
3. The mixing time is ca. 3 minutes.

Application

1. THERMOPAL®-GP11 can be applied in a single application step bis 30 mm layer thickness on the surface.
2. For thicker layers, render in several layers.
3. In this case, strike off the previous layer with a plasterer’s darby, and immediately after stiffening, roughen up horizontally and allow to dry.
4. Allow one day standing time per 1 mm of layer thickness.

Storage conditions

Storage

Store in a cool and dry place. Min. 12 months in the original canister. Promptly use opened canister.

Disposal

Product leftovers can be disposed of in accordance with disposal code AVW 17 01 01.

Notes


- Protect surfaces that are not to be treated from the effects of THERMOPAL®-GP11!
- Very damp substrates may require longer waiting times before they can be rubbed off.
- Protect from strong solar radiation and draughts.
- Observe the WTA "Restoration plaster systems" data sheet for planning and implementing of restoration measures.
- With difficult site conditions (e.g. inhomogeneous masonry work, waterproofed masonry work, use in exterior area under changing weather conditions and thick-layer plaster build-ups, etc.), an alkali-resistant glass scrim with a mesh size of 7 × 7 mm or 10 × 10 mm can be used to increase the cracking resistance. The inlay of the plastering fabric is applied in the upper third of the plaster layer.
- With low strength substrates, a corrosion-resistant plaster base must be attached mechanically to the substrate prior to plastering (cannot be used with internal waterproofing).

GISCODE: ZP1

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Annotations

Conformity / Declaration / Verification

	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold (Germany) 13 2 01414	
DIN EN 998-1-2010-12 THERMOPAL®-GP11 Standard plaster mortar (GP)	
Compressive strength	CS IV
Capillary water absorption, category	W2
Coefficient of water vapour permeability(μ)	≤ 18
Tensile adhesion strength 28 d	≥ 0.08 N/mm ²
Breaking pattern	A
Heat conductivity, λ10, dry, Tabulated mean value (P = 50%), DIN EN 1745	< 0.47
Reaction to fire	A1
Durability	Resistant with application in accordance with technical data sheet

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