

THERMOPAL®-SP

WTA preparatory renovating sprayed mortar



Material number	Contents	Unit of quantity	Packaging	Colour
201419002	25	KG	Bag	Grey

Product features

- Cementitious pre-blended dry mortar
- WTA-certified

Advantages

- Vapour permeable
- Low consumption per surface area
- very good bonding for cementitious substrates
- very good bonding for subsequent plaster layers

Areas of application

- Pre-sprayed mortar
- For interior and exterior use

THERMOPAL®-SP

Technical Data

Material properties

Product components	1 component system
Base material	Pre-blended dry mortar
Consistency	Filler consistency
Grain size max	< 4 mm
Compressive strength (classification DIN EN 998-1)	CS IV
Tensile adhesion strength (28 days)	≥ 0.08 N/mm ²
Capillary water absorption	Wc0
Water vapour diffusion coefficient μ	< 25
Thermal conductivity λ (Lambda)	approx. 0.83 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 6.5 l to 7 l per 25 kg

Application

Substrate/application temperature	from 5 °C to 30 °C
Pot life	approx. 90 minutes
Method of application, max. layer thickness per application step	to 5 mm
Consumption per m ² (50% degree of coverage)	approx. 3 kg
Consumption per m ² (complete coverage)	approx. 5 - 6 kg
Can be overcoated on non-absorbent substrate (min.)	after 24 hours
Can be overcoated on absorbent substrates (min.)	after 6 hours
Hardening process per 24 hours	min. 1 mm

Application technology

Aids/tools

- Stirrer (approx. 500-700 rpm)
- Suitable mixing paddle
- Trowel
- Spray equipment
- Flat trowel

Machine application

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

Substrate preparation

Requirement for substrate

1. Load-bearing
2. Free of adhesion inhibiting substances

Preparing the details

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

Preparing the surface

1. Remove old, damaged plasters, paints or coatings from the substrate.
2. Clean the substrate and replace or repair destroyed stones in the masonry work.
3. Pre-treat it with ESCO-FLUAT in case of high salt content.
4. Slightly pre-wet the highly absorbent substrate to prevent burning.

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Usage

Measures depending on the degree of salting in accordance with WTA

Degree of salting 1	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-GP 11 3. THERMOPAL-SR24/THERMOPAL-ULTRA/THERMOPAL-ULTRA-white	≤ 0.5 ≥ 1.0 ≥ 1.5	Drying times of the individual layers: 1 mm/day
1 Identify and evaluate through preliminary inspections.			

Mixing

1. Put the water into a clean mixing bucket and mix with the powder component with a stirrer to produce a homogeneous, lump-free mass.
2. The mixing time is ca. 3 minutes.

Application

1. The material is applied in a net shape for subsequent plaster build-ups with restoration plasters. (degree of coverage ≤ 50%)
2. The application must cover the whole area for subsequent applications with mineral waterproofing slurries or quarry stone substrates.
3. The splatterdash coat should only be applied thinly, max. 5 mm.

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®-SP!

GISCODE: ZP1

THERMOPAL®-SP

Annotations

Conformity / Declaration / Verification

	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold (Germany) ZZ 201419-3	
DIN EN 998-1:2016 THERMOPAL®-SP Standard plaster mortar (GP)	
Compressive strength	CS IV
Tensile adhesion strength 28d	≥ 0.08 N/mm ²
Breaking pattern	A
Capillary water absorption	Wc0
Coefficient of water vapour permeability(μ)	≤ 25
Heat conductivity, λ10, dry, Tabulated mean value (P = 50%), DIN EN 1745	≤ 0.83
Reaction to fire	A1
Durability (Frost resistance)	Resistant with application in accordance with technical data sheet
Hazardous substances	NPD

NPD = "No Performance Determined"

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