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### **Technical Data Sheet**

# THERMOPAL®-SR24

## Mineral-based restoration plaster – WTA

Art.-No. 2 01411

see table (page 3)

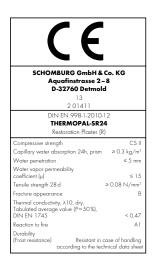
+5° C to +30° C

dry, 12 months in the original

opened packaging promptly.

unopened packaging. Use

25 kg bags





**Substrate preparation:** 

Thickness:

Packaging:

Substrate/

Storage:

application temp:

The substrate must be load bearing and free from adhesion inhibiting media such as release agents, dust or other coatings. Remove old render/plaster, paint and laitance up to 80 cm away from the damaged area determined visibly or by analysis.

Rake out brittle masonry joints to a depth of 2 cm and clean mechanically. Concrete surfaces must be open-pored. Where the salt content is high, pre-treat with ESCO-FLUAT. Apply a splatterdash coat of THERMOPAL-SP as a bonding coat (degree of coverage approx. 50%).

As an alternative to THERMOPAL-SP, the splatterdash coat can be produced as follows:

Emulsion comprising ASOPLAST-MZ: Water, mixed 1:1 to 1:3.

Dry blend comprising cement and washed sand - grain size 0.4 mm - mixed at a ratio 1:2 by volume. Produce a workable consistency from the emulsion and dry blend and use within approx. 1.5 hours.

- Mineral-based pre-blended mortar.
- High volume of entrained air.
- Vapour permeable.
- High salt storage capacity.
- Low consumption per surface area.
- Ready for rubbing down at an early stage.
- Hand or mechanical application.
- For interior and exterior use.

## Areas of application:

For producing vapour permeable and dry plasters on to damp and/or salt laden walls in interior and exterior installations. Due to the special system properties, possible mould contamination is prevented.

#### **Technical Data:**

pre-blended dry mortar Basis:

Grain size:  $< 2.0 \, \text{mm}$ Colour:

Water demand: approx. 6-6.5 litres per bag

Bulk density:  $1.0 - 1.1 \, \text{kg/dm}^3$ 

approx. 9.5 kg/m<sup>2</sup> per cm Consumption:

thickness

## **Product preparation:**

THERMOPAL-SR24 can be prepared in all usual continuous mixing pumps (e.g. with the High-Pump Basic from Dittmann Sanierungstechnik GmbH, Hohen Neuendorf or PFT-G4). If, due to machinery equipment, an air entrainment of 20-30% is achieved then there is no need for a secondary mixer. Small quantities can be mixed by hand with a drill mixer.

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#### Machinery equipment:

Pipe length: max. 20 m Pipe size: 25-35 mm Stator / rotor: D4-2 LP

Spray head for

scratch coat: Nozzle size > 17 mm Water addition: approx. 300 - 325 l/h

THERMOPAL-SR24 can be applied with appropriate tools such as plasterer's float, steel float or similar at thicknesses in accordance with WTA guidelines as well as in single layers up to 3 cm in one operation. After an adequate waiting time the surface can be rubbed off or finished with a felt board. Rubbing off too early produces a binder concentration at the surface and may cause stress cracks.

As an alternative the surface can be worked with a grid float. This operation can be carried out after 8-24 hours dependent on the ambient conditions. Rubbing with the grid float removes the laitance layer which appears and results in a considerably greater diffusion performance. Dependent on the ambient conditions the surface can be smoothened with THERMOPAL-FS33.

For thicker coats, apply in several layers. In these cases strike off the previous coat with a plasterer's darby and immediately the mortar stiffens, roughen up horizontally and allow to dry.

Keep to a waiting time of 1 mm per day.

- plaster systems" when planning and implementing restoration work.
- With difficult site conditions (e.g. inhomogeneous masonry work, waterproofed masonry work, use outdoors in changing weather conditions as well as thick-layer plaster build-ups, etc.), an alkali-resistant glass scrim with a mesh size of 7 x 7 mm or 10 x 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).

Please observe a current safety data sheet.

#### Advice:

- Protect areas not to be treated from the effects of THERMOPAL-SR24.
- Very damp substrates may cause a lengthening of the waiting time before surfaces can be roughened.
- Protect from strong sunlight.
- Smooth surfaces can be achieved by trowelling with THERMOPAL-FS33.
- For coloured finishes use highly vapour permeable silicate paint.
- Observe the WTA information sheet "Restoration

The rights of the buyer with regard to the quality of our materials are based on our terms and conditions of sale and delivery. Our technical advice team will be happy to advise you in the case of requirements that exceed the scope of the application described here. In order to be binding, a legally binding written confirmation is required. The product description does not release the user from a duty of care. Lay a test area in the event of uncertainty. This version becomes invalid in the event of a new version being issued.

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# THERMOPAL®-SR24

Measures taken dependent on the degree of salting in accordance with WTA			
Degree of salting 1)	Measures taken	Thickness (cm)	Notes
low	1. Splatterdash coat 2. THERMOPAL-SR24	≤ 0.5 ≥ 2.0	As a rule the splattedash dash coat does not completely cover
medium to high	1. Splatterdash coat 2. THERMOPAL-SR24 3. THERMOPAL-SR24	≤ 0.5 1.0-2.0 1.0-2.0	Total thickness: Min. 2.5 cm, max. 4 cm roughen up previous coat as necessary
	1. Splatterdash coat 2. THERMOPAL-GP11 3. THERMOPAL-SR24	≤ 0.5 ≥ 1.0 ≥ 1.5	Drying time of individual coats: 1 mm/day
<sup>1)</sup> To be determined and cal	culated by preliminary testing.	I	

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