

TECHNICAL DATA SHEET

STYRLEP 220

Adhesive-reinforcing mortar for Styrofoam



Areas of application

Mortar intended for performing reinforcing layers with glass fiber mesh on Styrofoam and for applying Styrofoam. Incorporated in the TURBO, TURBO-S, TURBO-SA, TURBO-SO, TURBO-SISI, TURBO-SO PROTECT thermal insulation systems by KREISEL. The product has excellent working properties, making it easy to apply and smooth. Thanks to the addition of reinforcing fibers, it is highly resistant to shrinkage cracks and high air temperatures.

Properties

- Resistant to scratches and cracks
- High adhesion
- Fibre-reinforced
- Vapor-permeable
- Easy to process
- Waterproof
- Frost-resistant

Application procedure



Technical data

Item number	3873
Packaging	
Quantity per unit	25 kg/unit
Unit per pallet	48 unit/Pal.
Grain size	0-0,5 mm
Colour	Grey
Consumption	4,5 kg/m ²
Water requirement	approx. 6 L/unit
Tensile adhesive strength	≥ 0,25 MPa Concrete ≥ 0,08 MPa Styrofoam
Hardening time	approx. 48 h
Chromium content	≤ 0,0002 %

STYRLEP 220

Adhesive-reinforcing mortar for Styrofoam

Item number	3873
Bulk density Com- pacted zone	1,5 g/cm ³
Coating thickness	0-5 mm
Processing time	3 h
Processing time tip	the time depends on the temperature and air humidity

Material base

- Microfibers
- Polymers
- Portland cement
- Quartz sand

Application conditions

Apply in temperatures from +5 °C to +25 °C, these temperature refer to air, groundwork and product temperature. Proceed to applying Styrofoam after the period of setting, compaction and drying of groundworks. Proceed to executing the reinforcing layer after a minimum of 3 days from the application of Styrofoam.

Surface

The groundwork must be cleaned and properly prepared. When performing reinforcing layers on Styrofoam prone to long-terms sun exposure, grind the oxidized layer off.
Bricks and ceramic CMUs: Prime with GRUNTOLIT-W 301 or EXPERT 6
Concrete, reinforced concrete: Prime with GRUNTOLIT-W 301 or EXPERT 6
Autoclaved aerated concrete elements: Prime with GRUNTOLIT-W 301 or EXPERT 6
Silicate blocks: Prime with GRUNTOLIT-W 301 or EXPERT 6
Styrofoam panels: Apply directly
Old plasters: clean and possibly prime with GRUNTOLIT-SG 302

Preparation

Pour the dry mix gradually to a container with a sufficient amount of clean, cool water. Mix manually or using a low-speed mixer to produce a homogeneous mass without lumps. Leave to mature for 5 minutes and mix again. The mass should be thick enough not to slide from a trowel when set at an angle. If necessary, depending on the conditions, slightly adjust the amount of water added. Do not mix the hardened grouting mixture again.

Application procedure

Execution of the reinforcing layer: apply the mortar on the surface of the Styrofoam panel using a toothed trowel, apply a stripe of reinforcing mesh and cover it evenly. Reinforcing mesh strips should be laid with a c.a. 10 cm overlap. Single-mesh reinforcing layer should be 3-5 mm thick. Application of Styrofoam panels: apply the mortar on the panel in an even layer using a toothed trowel (surface method) or apply a trip of the grout (pile) along the edge and 3-6 spots (strip-spot method).

Instructions

Protect against frostbite, precipitation and excessive drying in the execution of works and during the drying period. The use of protective covers is recommended. Commence further works after 3 days from completing the reinforcing layer or after applying the Styrofoam panels. Adhere to Styrofoam manufacturer's guidelines. Insulation panels must be additionally fastened with suitable ties.

STYRLEP 220

Adhesive-reinforcing mortar for Styrofoam

Storage

Up to 12 months from the date of manufacture, in dry places and in intact packaging

General information

This product data sheet replaces all its previous versions. The information, included in this technical card, represents our current knowledge and practical experience. This is general information only which shall not obligate the manufacturer to take any responsibility either for workmanship or for the manner of use. For there may be differences and specific execution conditions. The product shall be applied in accordance with required technical knowledge and OHS rules. Avoid contact with skin and protect eyes. In case of contact with eyes, rinse them up with a large quantity of clean water and consult a doctor. It shall be recommended to use gloves, safety goggles and protective clothing.

All technical data listed in this product specification has been determined under laboratory conditions.