

TECHNICAL DATA SHEET

STYRLEP-B 225

White adhesive-reinforcing mortar for Styrofoam and mineral wool



Areas of application

Intended for executing reinforcing layers with glass fiber mesh on Styrofoam or mineral wool, as well as for mounting Styrofoam or mineral wool Incorporated in the TURBO, TURBO-S, TURBO-W, TURBO-SA, TURBO-WSA, TURBO-SO, TURBO-WSO, TURBO-SISI, TURBO-WSISI, TURBO-SO PROTECT, TURBO-WSO PROTECT, TURBO-MAX PROTECT, TURBO-WMAX PROTECT thermal insulation systems by KREISEL The mortar is also ideal for fixing and imbedding a mesh in thermal insulation systems based on graphite styrofoam. If this mortar is used as a reinforcement layer, no priming with TYNKOLIT plaster primers is required before applying decorative plaster.


Properties

- White
- Frost-resistant
- Very high adhesion
- Contains microfibers
- Water-repellent
- Easy to process
- Universal
- For graphite and white foamed polystyrene
- For mineral wool

Application procedure



Technical data

Item number	13218
Packaging	
Quantity per unit	25 kg/unit
Unit per pallet	48 unit/Pal.
Grain size	0-1,2 mm
Colour	White
Consumption	5,5 kg/m ²
Water requirement	approx. 6,2 L/unit
Tensile adhesive strength	≥ 0,25 MPa Concrete ≥ 0,08 MPa Styrofoam ≥ 0,08 MPa Graphite styrofoam ≥ 0,08 MPa mineral wool

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Item number	13218
Hardening time	approx. 24 h
Chromium content	≤ 0,0002 %
Bulk density Com- pacted zone	1,45 g/cm ³
Coating thickness	0-6 mm
Processing time	2-3 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 temperatures refer to air, groundwork and product temperature. Proceed to applying Styrofoam or mineral wool panels after the groundwork has set, contracted and dried up completely. Proceed to the execution of the reinforcing layer after a minimum of 3 days from the application of Styrofoam or mineral wool

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. When executing the reinforcing layer on mineral wool, putty the surface of the panel first. Before installing graphite polystyrene, it is recommended to gently sand it in places of mortar patches.

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

Cement-lime plaster: Prime with GRUNTOLIT-W 301 or EXPERT 6

Styrofoam panels: Apply directly
Mineral wool panels: Apply directly

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

Making the reinforced layer: mineral wool boards should be pre-smoothed with a thin layer of adhesive by pressing the trowel firmly. Apply the mortar to the surface of a polystyrene or mineral wool board, drag it with a notched trowel, apply a reinforcing mesh strip and level evenly until it is completely covered. Reinforcing mesh strips should be laid with an overlap of about 10cm. The layer reinforced with a single mesh should be 3-5mm thick. Application of insulation panels (Styrofoam and mineral wool): 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). Apply lamella panels using the surface method only. Apply the adhesive-coated panel on the groundwork and face it with the neighboring panels.

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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. Proceed to further works after a minimum of 3 days from the execution of the reinforcing layer or the application of insulation panels. Adhere to Styrofoam manufacturer's guidelines. Insulation panels must be additionally fastened with suitable ties.

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.