



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
Product features:	Waterproof Frost-proof High grip Contains microfibers Hydrophobic Easy to process
Material base:	<ul style="list-style-type: none"> • Portland cement • Polymers • Microfibers • Mineral fillers • Refining agents
Processing:	
Conditions for application:	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.
:	<p>Bricks and ceramic CMUs: Prime with GRUNTOLIT-W 301 or EXPERT 6</p> <p>Concrete, reinforced concrete: Depending on absorbency rates, prime with GRUNTOLIT-W 301 or GRUNTOBET 310.</p> <p>Autoclaved aerated concrete elements: double prime with GRUNTOLIT -W 301</p> <p>Silicate blocks: Prime with GRUNTOLIT-W 301</p> <p>Styrofoam panels: Apply directly</p>
Preparation:	Mix the dry powder with water maintaining a proportion of 6.3l per 25kg of dry mix. Pour gradually to the water container, mixing with a low-speed mixer to produce a homogenous mass without lumps. Leave to mature for 5 minutes and mix again, thoroughly. If necessary, depending on the conditions, slightly adjust the amount of water added. Do not mix hardened grout with water or fresh material.
Processing:	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. Apply the mortar evenly with a toothed trowel (surface method) or apply a stripe of mortar (flitch) along the edges as well as 3-6 spots (strip-spot method). Apply the panel with mortar to the groundwork and level it with the neighboring panels.



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Notes:

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.
Insulation panels must be additionally fastened with suitable ties.

Storage:

Maximally 12 months
In dry areas and in non-damaged packaging

Technical data

Consumption	c.a. 4-5 kg/m ²
Concrete adhesion	≥ 0.3 MPa
Styrofoam adhesion	≥ 0.08 MPa
Shelf life after mixing with water	2 hours (at +20°C)
Granulation	≤ 0.5 mm