

## TECHNICAL DATA SHEET

### LEPSTYR 210

Adhesive for mounting Styrofoam panels



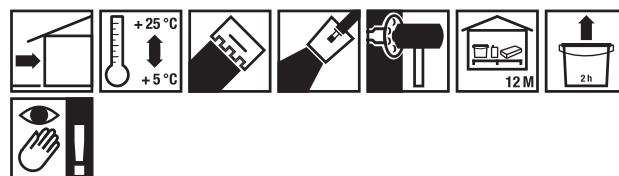
#### Areas of application

Adhesive for mounting Styrofoam panels in thermal insulation systems dedicated for external walls. Can be applied on various types of mineral groundworks: concrete, cement-lime, ceramic, silicate, autoclaved aerated concrete, etc. Incorporated in the TURBO, TURBO-S, TURBO-SA, TURBO-SO, TURBO-SISI, TURBO-SO PROTECT thermal insulation systems by KREISEL

#### Properties

- Waterproof
- Frost-resistant
- Vapor-permeable
- High mechanic durability
- Easy to process

#### Application procedure



#### Technical data

|                           |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------|
| Item number               | 1683                                                                                |
| 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 <sup>2</sup>                                                               |
| Water requirement         | approx. 6,3 L/unit                                                                  |
| Tensile adhesive strength | ≥ 0,25 MPa Concrete<br>≥ 0,08 MPa Styrofoam                                         |
| Hardening time            | approx. 24 h                                                                        |
| Chromium content          | ≤ 0,0002 %                                                                          |

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|                     |                                                      |
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| Item number         | 1683                                                 |
| Coating thickness   | 0-15 mm                                              |
| Bulk density        | approx. 1,45 g/cm <sup>3</sup>                       |
| Drying time         | 24 h<br>48 h                                         |
| Processing time     | 2 h - 3 h                                            |
| Processing time tip | the time depends on the temperature and air humidity |

### Material base

- Mineral fillers
- Portland cement
- Additives
- Quartz additive

### Application conditions

Apply in temperatures from +5 °C to +25 °C, these temperature refer to air, groundwork and product temperature. Proceed to applying Styrofoam panels after the groundwork has set, contracted and dried up completely.

### Surface

The groundwork must be cleaned and properly prepared. Apply seasoned Styrofoam panels fulfilling specific requirements  
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-SG 302 or EXPERT 5  
Silicate blocks: Prime with GRUNTOLIT-W 301 or EXPERT 6  
Cement-lime plaster: Prime with GRUNTOLIT-W 301 or EXPERT 6

### 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.

### Processing note

c.a. 6.0 liters of water per 25 kg of dry mix

### Application procedure

Apply the mortar evenly with a toothed trowel (surface method) or apply a stripe of mortar (fitch) 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. When applying insulation panels, make sure the adhesive covers 40% of their surface. Observe all tying principles when applying insulation panels. When gluing boards to even substrates, the plane method of applying glue can be used. A portion of adhesive mortar should be applied to the board and spread using a straight edge of the trowel in a thin layer, pressing against the board surface. Then apply an additional portion of the mortar and spread it with the notched trowel edge (at least 10 x 10 x 10 mm).

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### Instructions

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In insulation systems, use EPS polystyrene in accordance with EN 13163, with parameters not lower than: T(1)-L(2)-W(2)-S(2)-P(4)-DS(70,-)2-DS(N)2-TR100-SS20-GM1000. In thermal insulation systems, mechanical fixings with the following parameters are permitted: plate diameter of 60 mm, plate stiffness (surface installation)  $\geq 0.3 \text{ kN/mm}$ , plate stiffness (recessed installation)  $\geq 0.6 \text{ kN/mm}$ . For thermal insulation systems, we recommend reinforcing meshes with a specific weight of  $> 145 \text{ g/m}^2$  and the following parameters: absolute tensile strength after ageing (N/mm):  $\geq 20$ ; relative residual strength after ageing compared to as-delivered strength (%):  $\geq 50$ . Protect against frost, precipitation, excessive drying during the execution of works and drying. Do not apply scaffolding covers. Commence further works after a minimum of 3 days from the application of Styrofoam panels

### Storage

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

### General information

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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.