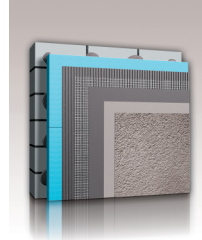


TECHNICAL DATA SHEET

XPS TURBO

thermal insulation system



Areas of application

XPS TURBO thermal insulation systems are manufactured on the basis of extruded XPS styrofoam mounted on mineral substrates. They are finished with all types of decorative plaster from the KREISEL range. PS TURBO systems are ideal for the thermal insulation of underground parts of buildings where thermal insulation materials with low water absorption must be used. For new and modernized buildings. For the implementation of insulation systems in housing, public and industrial construction

Surface

All substrates must have adequate load-bearing capacity, solid and compact structure and be cleaned of dust, grease, lubricants, release agents, paint residues, etc. Unstable coatings and coatings with insufficient adhesion must be removed. Oily and lubricated surfaces should be washed with detergent, infected with mold, moss, algae should be covered with SEPTOBUD 1008 and then washed under high pressure or mechanically removed.

Old paint coats
Old plasters
Silicate blocks
Autoclaved aerated concrete elements
Concrete and concrete blocks
Bricks and ceramic CMUs
Concrete, reinforced concrete
clean and possibly prime with GRUNTOLIT-SG 302
Incompatible Prime with GRUNTOLIT-W 301 or EXPERT 6
Prime with GRUNTOLIT-SG 302 or EXPERT 5

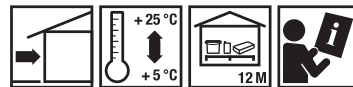
Instructions

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): ≥ 20 ; relative residual strength after ageing

Properties

- Waterproof
- Frost-resistant
- High mechanic durability
- Rich colours
- UV resistant
- Eliminates thermal bridges in the wall

Application procedure



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compared to as-delivered strength (%): ≥ 50 .

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.

Acceptance of thermal insulation systems. The final acceptance of the insulation system should include checking the surface evenness and a visual inspection. The visual assessment of the external appearance of the render finishes should be carried out with the naked eye, under diffused light, from a distance of more than 3 m. We would like to point out that currently there are no official standards for the acceptance of thin-coat renders. Therefore, the guidelines provided by the Association for Thermal Insulation Systems – which brings together insulation system manufacturers and of which KREISEL is a member – should be followed. According to these guidelines, thin-coat textured and mosaic renders applied on insulation systems or on base coats should, in terms of tolerance control for surfaces and edges, be treated as category III renders. This should be specified in the construction contract. The permissible deviations from vertical for external edges of category III renders should not exceed: 2 mm per 1 m over the entire storey height – 10 mm over the entire building height – 30 mm. The permissible deviations from vertical for external render surfaces should not exceed: – over the entire building height – 30 mm.