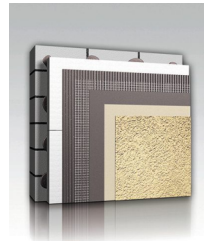


TECHNICAL DATA SHEET

TURBO-MAX PROTECT

System for thermal insulation on styrofoam with Bioplaster MAX PROTECT 042



Areas of application

For the implementation of insulation systems in housing, public and industrial construction For new and modernized buildings.

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

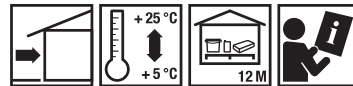
Instructions

In 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 60mm, 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 compared to as-delivered strength (%): ≥ 50 .

Properties

- Waterproof
- Frost-resistant
- High mechanic durability
- Self-cleaning properties
- Vapor-permeable
- UV resistant
- Rich colours
- High impact strength up to $> 40 \text{ J}$

Application procedure



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General information

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.