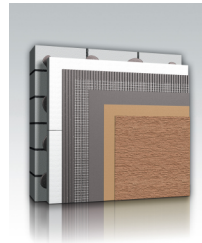


TECHNICAL DATA SHEET

TURBO-SO

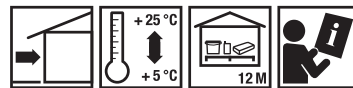
Thermal insulation system on polystyrene with silicone plaster



Areas of application

For the implementation of insulation systems in housing, public and industrial construction For new and modernized buildings. Particularly suitable for buildings in the vicinity of trees, water reservoirs and industrial agglomerations.

Application procedure



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

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

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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.