

TERAPOR® STRONG

external integrated insulation system with excellent mechanical properties and very high strength against mechanical pressure, made with extruded facade polystyrene (XPS), for the thermal insulation of buildings



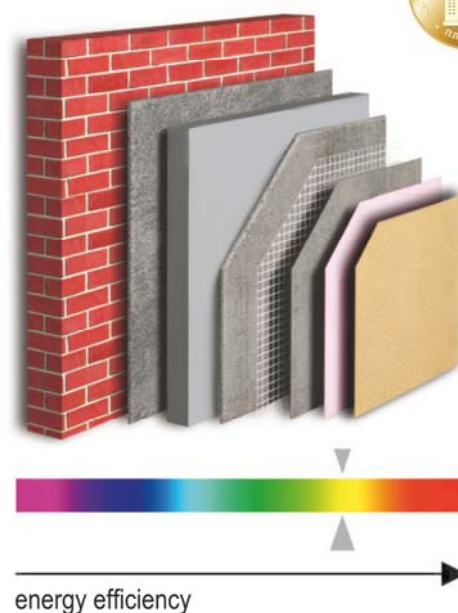
Scope of use

TERAPOR® STRONG is insulation system with excellent mechanical properties and very high strength against mechanical pressure, made with extruded facade polystyrene (XPS) of different thicknesses depending on the specific conditions and requirements. All its components are practically tested and cautiously selected, that complement each other in an optimal way to be applied as a system.

The system is particularly suitable and ensures durability, efficiency and smooth operation in places where extreme loads of pressure put high demands on the insulation material. Extruded polystyrene (XPS) in the system, has a maximum closed cell structure, and following proper installation, virtually precludes water penetration, while simultaneously greatly reducing the diffusion of water vapor through the system.

TERAPOR® STRONG is extremely resistant to aging, to weathering and cracking. After proper installation ensures longer life of the building, its hydrophobicity and enhanced mechanical protection.

The ENERGY IN COLORS tinting system offers an array of opportunities for individual shaping of finishing coat of the thermal insulation by color and structure, offering a choice of over 2080 colors and five structure types of decorative plaster.



Areas of application

TERAPOR® STRONG is optimized for installation and thermal insulation in intensively moisturized places (in the wall-base and the perimeter, under foundation slabs, in wet rooms, in refrigerating cameras, etc.) and under heavy mechanical loads (green and open for walking roofs, under floor screeds, under flat, sloped or pitched roofs, roof verandas, floors between storeys, in-floor heating, roof type parking or industrial floors, bearing high loads, etc.).

Properties

extremely high mechanical impact and stress resistance	greatly reducing the cost of heating and cooling
excellent resistance to high moisture	resistant to UV-rays
very high strength characteristics	excellent durability and color stability
very good thermal insulation properties	quick and easy installation
resistant to pollution and aging	10 years warranty

Components

THERMO INSULATION MATERIAL with thickness up to 25 cm

- **TERAPOR® XPS**
(thermal insulation boards from extruded polystyrene (XPS) no skin, with extremely high compressive strength for thermal insulation of places subjected to extreme mechanical and water loads)

FIXING OF THE THERMO INSULATION PLATES

- **TERMOFLEX® ADHESIVE MORTAR FOR EPS/XPS**
(adhesive mortar solution for bonding thermal-insulation expanded (EPS) and extruded (XPS) polystyrene boards on different bases, when thermo insulating buildings)
- **PLASTIC ANCHORS**
(hammer in anchors for mechanical montage of thermal insulating plates made of EPS or XPS)

ARMING PLASTER

- **REINFORCEMENT FIBERGLASS MESH**
(alkali proof fiber glass mesh for producing an armed mortar coat in an thermal insulation system and retrofitting of cracks on facade surfaces)
- **TERMOFLEX® REINFORCING MORTAR FOR EPS & XPS**
(construction reinforcing mortar for bonding and plastering thermo-insulation boards from expanded (EPS) and extruded (XPS) polystyrene when thermo insulating buildings)

PRIMER COVERING

- **TERMOFLEX® COLOUR PRIMER**
(coloured steam permeable primer, which penetrates within the base and improves adhesion prior to plaster application and facade painting)

FINISH COVERING

- **TERMOFLEX® PRO**
(ready to use colored paste-like plaster for thin film protective and decorative coatings with dragged or scratched surface)

ADDITIONAL COMPONENTS

- **CORNER PROFILES, CORNER PROFILES WITH DRIP CAP, LUTING PROFILES AND ACCESSORIES FOR THERMAL INSULATION SYSTEM**
 (for watertight shaping and arming the edges of thermal insulation systems in the area of edges, corners, around windows, doors etc. and their contact with other elements)
- **ACCESSORIES FOR SET OFF AND CLOSING PROFILES**
 (accessories for precise and reliable shaping of the set off and its integrating into a thermal insulation system)

Instructions for use

For more information and detailed description of all necessary operations, which should be performed refer to “Technological instruction for constructing thermal insulation systems TERMOFLEX® and TERAPOR®.

Attention!

The installation of the thermal insulation should be performed at dry weather at temperature of the base and environment from +5°C to +30°C and air humidity below 65%.

Classification

Complies with the requirements of European and Bulgarian standards and measures up to:

European Standard	Type	Testing protocols
ETAG 004 EN 13501-1	- E (Euro class)	

Designation code of the thermo insulation material

XPS EN 13164 T1 – CS(10/Y)300 – DS(70,90)5 – DLT(1)5 – TR400 – BS700 – WL(T)0,7 – MU200 – FT2

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