termax
SALVA ENERGIA

TECHNICAL DATA

PRODUCT : EPS F200

DESCRIPTION:

EPS F 200 is an insulating panel made of expanded polystyrene, self-extinguishing, classified as Class E, and marked ETICS in accordance with EN 13163. It also complies with CAM – Minimum Environmental Criteria, through the use of post-consumer recycled EPS. It is suitable for both new and existing buildings, and can be applied on vertical and horizontal surfaces.

CHARACTERISTICS

1. Dimensional stability under atmospheric fluctuations.
2. Homogeneous density.
3. Hydrophobic properties.
4. Acoustic insulation properties.
5. High compressive strength.
6. Very low thermal conductivity.

THE BASE:

During the application phase, the ambient and surface temperature must not fall below +5°C and must not exceed 35°C. Throughout the entire process of EPS bonding, leveling, and until completion of the dowel installation phase, the surface must be protected with suitable fabrics that provide shade. Protect the insulation panels from moisture and apply the leveling coat with reinforcing mesh at the appropriate time.

APPLICATION:

The product used for bonding EPS F200 thermal insulation panels must be suitable for this system. Before bonding the polystyrene panels, thesubstrate must be dry, stable, and free from foreign materials (dust, oil,soot, algae, salts, release agents, etc.). Remove any separating layers and consolidate surfaces that are fragile or prone to detachment; such areas must be repaired in advance.

Bonding of the polystyrene panels to the substrate can be carried out using two methods:

- Perimeter strip method (approx. 40% bonding surface) with adhesive applied around the edges and spots in the center.
- For smooth surfaces, adhesive should be applied over the entire surface of the panel using a notched trowel.

After application, the panels are pressed firmly together by applying adequate pressure. Once the bonding process is completed, the EPS F200 thermal insulation panels must be leveled and covered after 36–48 hours.

IMAGES:

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TECHNICAL SHEET		NORMS
Specification:	EPS F200 Thermal Insulation Panel	
Colour:	White	EN 13163
Packaging:	Polyethylene	
Unit of measurement:	kg/m³	
Standard:	EN 13163	
Granule content:	Pentane Gas	
Panel Dimension:	1000mm x 500mm	EN 823:2013
Panel Area:	0.5m²	EN 822
Compressive strength:	(10% deformation): 200 kPa	EN 826
Thermal conductivity (λ):	0.032 W/mK	EN 12667
Curing Time:	28 days from the production date	
Reaction to fire:	Class E (Self extinguishing)	EN 13501-1:2019

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CAREFUL

During transportation and installation, exercise maximum care and work under safe conditions. During all phases of work, the ambient and surface temperature must not be lower than +5°C and not higher than +35°C. Follow the current manufacturer's instructions and the safety data sheet information. This product is intended for professional use. Do not mix or add other components during preparation and application. Any deviation from the above instructions must be explicitly authorized by the manufacturer through a written and signed approval.

During application and curing/drying, the air, material, and surface temperature must remain between +5°C and +35°C. Protect the facade from direct sunlight, rain, and strong wind (e.g., using protective scaffolding nets). High temperatures (e.g., > +35°C) may also alter the product's working properties. High relative humidity and/or low temperatures (e.g., winter applications) may significantly extend drying times and cause uneven color variations. Protect insulation panels from moisture and apply a cover layer as soon as possible; panels showing color changes and/or damage must be replaced.

Color uniformity is guaranteed only when using products from the same production batch and date. Significant color differences may also occur due to surface characteristics, application methods, temperature, and atmospheric humidity. Materials stored beyond the recommended time may also show color changes. Claims related to color differences and/or properties after application will not be accepted. The technical data refers to base products. The use of natural raw materials may cause slight variations in values, depending on site conditions.

The product must not be exposed for extended periods to adverse weather conditions and should be stored in appropriate environments. More detailed safety information is included in our separate Safety Data Sheets (SDS), which should be carefully read before use. Follow current national work safety regulations.

This technical sheet cancels and replaces previous versions. DEKOLL reserves the right to make changes and updates without prior notice. The information contained in this technical sheet reflects our current technical knowledge and sector experience; it does not in any case determine the liability of DEKOLL for any defect and/or damages of any kind resulting from improper or incorrect use of the product.

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