

DESCRIPTION

- ADEX EPS-FLAT insulation is made of expanded polystyrene resin with a flame-spread retardant additive. The product consists of 98% air and 2% plastic material. Introduced vapour expands the resin beads creating a product made up of closed cells that is later thermally sealed, conditioned and cut to desired size.
- ADEX EPS-FLAT insulation meets **CAN/ULC-S-701** standards (formerly CGSB-51.20) - Thermal Insulation, Polystyrene Boards, and Pipe Coverings.

USE

- ADEX EPS-FLAT insulation acts as a thermal insulation for exterior walls, as a support for ADEX exterior finish and insulation systems (EIFS) and as a base material for decorative moulding production.

DIMENSIONS

- 610 mm x 1220 mm (24" x 48") boards (maximum).
- Available thickness is between 50 mm and 125 mm (2" and 6").

Thermal Resistance (Minimum)		
ASTM C-518		
Temperature		
-3.9 °C (25 °F)	10 °C (50 °F)	24 °C (75 °F)
Facteur R/po		
4.17	4.00	3.85
Facteur RSI/25 mm		
0.73	0.70	0.68
Water Vapour Permeance (Maximum)		
ASTM E96:		
300 ng/Pa·s·m ² (5.3 perms) / 25 mm (1")		
Compressive Strength (Minimum)		
ASTM D-1621:		
70 kPa (10 PSI)		

Flexural Strength (Minimum)	
ASTM C-203	
170 kPa (25 PSI)	
Dimensional Stability (Maximum)	
ASTM D-2126:	
0.5%	
Water Absorption (Maximum)	
ASTM D-2842	
6% (Volume %)	

- Properties
- Test Method
- Result

STORAGE

- Store in original packaging.
- Do not allow the EPS boards to be exposed to the sun for extended periods of time.

ADVANTAGES

- ADEX EPS-FLAT insulation is lightweight, easy to handle and easy to install.
- ADEX EPS-FLAT insulation is mold-resistant and has no nutritional value for parasites, micro-organisms and animals.
- ADEX EPS-FLAT insulation does not contain any chlorofluorocarbons (CFC's, HCFC's).
- ADEX EPS-FLAT insulation provides a high, constant R-value.

LIMITATIONS

- EPS is combustible when directly exposed to intense heat or sources of combustion.
- For interior applications, EPS-FLAT insulation must be covered with a 1/2" gypsum board.
- ADEX EPS-FLAT insulation must be purchased from ADEX Systems or its authorised distributors in order to be covered by warranty.

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