

### 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 5").

Thermal Resistance (Minimum)	
ASTM C-518	
Temperature -3,9 °C (25 °F)	10 °C (50 °F)
Facteur R/po4,17 3,85	4,00
Facteur RSI/25 mm0,73 0,70	0,68
Water Vapour Permeance (Maximum)	
ASTM E96:	
300 ng/Pa·s·m <sup>2</sup> (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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