

## ADVEFOAM (32)

### Extruded Polystyrene Thermal Insulation Boards.

#### DESCRIPTION:

ADVEFOAM (32) are thermal insulation boards produced from high quality polystyrene foam by extrusion method and available in different thicknesses and edge shapes.

#### APPLICATIONS:

- 1 - Thermal insulation layers for walls and roofs of buildings.
- 2 - Thermal insulation layers for floors, walls and roofs of cold stores.
- 3 - Upgrading of old roofs.
- 4 - Especially suitable for protected roofing concept, in which the thermal insulation layer is laid over the waterproofing layer, due to its non- absorbing property.

#### ADVANTAGES:

- 1 - Permanent and high thermal insulation property.
- 2 - High compressive strength compared to similar materials.
- 3 - Does not absorb water or humidity, due to its closed cell structure.
- 4 - High resistance to chemical salts.
- 5 - Longer service time compared to similar materials.
- 6 - High dimensional stability under variable weathering conditions.
- 7 - Easy to cut with wood sawing tools.
- 8 - Low flammability properties, it contains flame retardant additives and itself extinguishes when the source of fire is removed.
- 9 - Very safe to use and is not harmful to health.
- 10 - Economical, the thermal insulation efficiency of 12.5cm. celton can be obtained by 2.5cm. ADVEFOAM.

#### METHOD OF LAYING:

- 1 – ADVEFOAM (32) boards are laid using cementitious mortar containing 1m<sup>3</sup> sand, 300kg. cement, and mixture of water +addibond, or using CEROPLAST (bitumen latex emulsion) or by using any suitable adhesive not containing solvents.
- 2 - The bonding layer is applied either on spots or on the complete surface area.

## STANDARD DIMENSIONS:

<i>Length * width (cm)</i>	<i>Thickness (mm)</i>
<b>125 * 65</b>	<b>25 ~ 100</b>

## Shapes



**Standard**



**One Side Milling**



**Both Sides Milling**

## TECHNICAL SPECIFICATION: (at 25° C )

PROPERTY	STANDARD SPECIFICATIONS	VALUE
Density	DIN 53420	32 – 35 Kg/m <sup>3</sup>
Thermal Conductivity	EN 13501-1	0.028 – 0.033 W/mK
Compressive Stress at 10% Deflection	DIN 53421 ASTM C - 165	2.75- 3 Kg /cm <sup>2</sup> 275- 300 KPa
Water Absorption % by Volume	DIN 53428	Less Than 1.5%
Linear Coefficient of Thermal Expansion	ASTM D - 696	7X10 <sup>-5</sup>
Flammability	EN 13501-1 / EN ISO 11925-2	Class (E)