



## TYL<sup>®</sup> - Insulation Board

Extruded Polystyrene Rigid Foam

202402

### DESCRIPTION

TYL<sup>®</sup>-Insulation Board is a rigid extruded polystyrene board used for thermal insulation. Extruded polystyrene rigid foam used for civil engineering and other commercial applications. Available in a range of compressive strengths to suit different construction needs. Thickness over 40mm has rebate edges.



### USES

- Wall thermal Insulation
- Floor thermal Insulation
- Roof thermal Insulation
- Slab thermal Insulation



### ADVANTAGES

- High resistance to heat flow
- High resistance to water vapour diffusion and water absorbability
- Uniform density distribution for dimensional stability
- Resistance to bacteria and micro-organism growth  
Ecologically friendly
- Complied with HK Beam Plus Credit MA 8 Ozone Depleting Substances, Free of ozone-depleting CFC, HCFC and HFC.
- Non-combustible, not self-flammable and non-readily ignitable
- Water-repellent smooth skin on both sides
- Resistance to salt, alkali, acid and bitumen emulsion.
- Bond on concrete or steel surface by 'TYL<sup>®</sup>-BituProof' adhesive

## PHYSICAL & MECHANICAL PROPERTIES

Property	Results	Results	Results
Model	D35	D40	D45
Density (kg/m <sup>3</sup> )	35	40	45
Compressive Strength at 10% Deflection (Kpa)	315	360	453
Water Absorption Rate (% by vol.)	< 1	< 1	< 1
Thermal Expansion Coefficient (Longitudinal)(mm/mm/°C)	7.0x 10 <sup>-6</sup>	7.0x 10 <sup>-6</sup>	7.0x 10 <sup>-6</sup>
Thermal Conductivity (w/m.k)	< 0.027	< 0.027	< 0.027
Dimensional Change (%)	<1	<1	<1
Fire Rating (B1 is upon request)	B2	B2	B2
Water Vapor Permeability (Perm-inch)	0.4	0.4	0.4
Max. Application Temperature	75°C	75°C	75°C

\*Special physical & mechanical properties are available upon request

## PACKAGING

Thickness:	20,25,40,50,75 and 100 mm
Size:	1.25m x 0.6m
Color:	Blue

\*Special dimension is available upon request

## STORAGE

If long-term exposure to the elements is expected extruded polystyrene should be protected from excessive UV exposure to prevent discoloration.



## Please enquire about our range of construction product

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