



TYL[®] - Insulation Board

Extruded Polystyrene Rigid Foam

201909

DESCRIPTION

TYL[®]-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[®]-BituProof' adhesive

PHYSICAL & MECHANICAL PROPERTIES

Property	Results	Results	Results
Model	D35	D40	D45
Density (kg/m ³)	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 ⁻⁶	7.0x 10 ⁻⁶	7.0x 10 ⁻⁶
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 an available upon request

PACKAGING

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

*Special dimension is an 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

The information and the recommendations relating to the application and end use if this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability if final function at the job site is assumed. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability of or fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written and/or oral recommendations, or from any other advice offered by the Company. No responsibility or Liability by the Company will be accepted for misuse, misreading or derivation from the recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and all risks and liability in connection therewith. The information contained in this brochure may change at any time without notice.