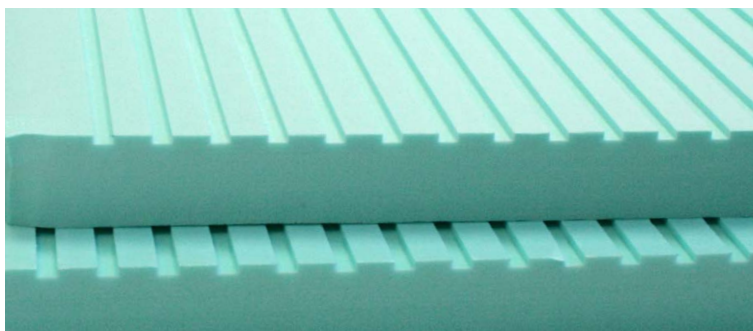


INSUDRAIN - CLOSED-CELL SLOTTED INSULATION BOARD + GEOTEXTILE COVERING
Description

MacLennan Insudrain is a 50mm deep, closed-cell thermal insulation board made from rigid extruded polystyrene foam (XPS). The product is manufactured in accordance with EN 13164 – “Thermal insulation products for buildings - Factory made products of extruded polystyrene (XPS)-specification.”

The insulation boards are rated at 500 kPa and feature specifically designed slots to the underside of the boards and a geotextile covering.


Key Benefits

- Excellent thermal insulation characteristics with a very low coefficient of thermal conductivity
- Closed cell structure with no connecting capillaries resulting in extremely high resistance to water absorption and diffusion of water vapour
- Capable of permanent submersion in water
- Fully inert when subjected to climatic variations
- High mechanical and compressive strength and high dimensional stability
- Contains no CFC or HCFC's
- Life expectancy is equivalent to the building in which it is installed (estimated 50 years)
- 100% recyclable
- Completely rot proof and does not develop any mould or other efflorescence
- No nutritional value for rodents, insects, etc
- Good resistance to acids, alkalines, aggressive ground containments and inorganic gases

TECHNICAL DATA

Features	Result	Units	
Form	Rigid board		
Colour	Green		
Surface	Smooth		
Profile	Square edge		
Density/Specific gravity	0.03		
Board size	50 x 1000 x 600		mm
Board yield	0.60		m ²
Pack size	8		Boards
Pack yield	4.8		m ²
Properties	Result	Units	Test Method
Compressive strength at 10% deformation	500	kPa	EN 826
Compressive creep over 50 years at < 2% deformation	165	kPa	EN 1606
Service temperature	-50 to +75	°C	
Thermal conductivity (after 25 years)	0.035	W/mk	EN 12667
Long term water absorption by immersion ¹	0.7	%	EN 12087
Water absorption by diffusion	3	%	EN 12088
Reaction to fire (Euroclass)	Class E		EN 13501-1

FOR MORE INFORMATION
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