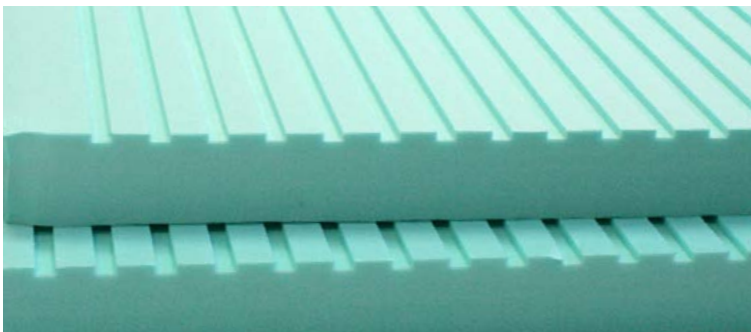


INSUFLOOR - CLOSED-CELL SLOTTED INSULATION BOARD
Description

MacLennan Insufloor 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, that in combination with the perimeter and spine drainage channels of our waterproofing system form a fully drained supporting spacer below the floor drainage membrane.


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
TEL: 0845 658 777 | **EMAIL:** enquiries@MacLennanuk.com | **WEB:** www.MacLennanuk.com