



Styrofoam Floormate-X

Details

Dow Styrofoam™ Floormate-X™ extruded polystyrene (XPS) thermal insulation distributed by DCTech, is an ideal heavy load-bearing material suitable for most floor types, from industrial applications through to residential builds.

Styrofoam™ Floormate-X™ (XPS) rigid thermal insulation can be installed under or over the slab in ground bearing concrete floors and is suitable for use on suspended beam and block or timber floors.

Applications

- under concrete slab, slab on ground
- hydronic floor heating
- geo-engineering backfill to protect civil engineering projects from freezing

Features

- high compressive strength
- high thermal resistance
- resistance to ground moisture and most ground contaminants
- dimensionally stable
- will not attract vermin or insects

Standards

- Green Star compliant
- Zero ODP
- CO2 Blown
- Low VOC's
- EU Reg EC\3093\94



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Technical data

Product Name:	Styrofoam Floormate-X Extruded polystyrene XPS rigid thermal insulation
Product Description:	Styrofoam Floormate-X XPS thermal insulation has been developed for use where attributes such as compressive strength, resistance to ground moisture and high thermal resistance are important considerations. Widely used in very low temperature climates as a thermally insulating backfill to protect civil engineering projects from freezing. For use as the thermal insulation layer in all floor types from housing to industrial buildings and cold stores.
Surface finish:	Skin
Product code:	Floormate-X
Colour:	Blue
Edge treatment:	Shiplap
Thickness:	25mm - 200mm
Width:	600 mm
Length:	1250 mm
Density:	45 kg/m ³
Compressive strength:	700 kPa (minimum) at 10% deformation
Water absorption:	≤ 0.3%
Blowing agent:	C02
Environmental characteristics:	Green Star compliant, Zero ODP, Low VOC

Thickness to R-Value Styrofoam Floormate-X XPS @ 24°C		
Thickness Metres	Lambda/K Value/Thermal Conductivity	R Value
0.025	0.0278	0.90
0.030	0.0278	1.08
0.040	0.0278	1.44
0.050	0.0278	1.80
0.060	0.0278	2.16
0.075	0.0278	2.70
0.080	0.0278	2.88
0.090	0.0278	3.24
0.100	0.0278	3.60
0.120	0.0278	4.32
0.150	0.0278	5.40
0.200	0.0278	7.19



R-Value to Thickness Styrofoam Floormate-X XPS @ 24°C		
R-Values	Lambda/K Value/Thermal Conductivity	Thickness Metres
1.00	0.028	0.028
1.50	0.028	0.042
1.80	0.028	0.050
2.00	0.028	0.056
2.20	0.028	0.062
2.50	0.028	0.070
2.80	0.028	0.078
3.00	0.028	0.084
3.20	0.028	0.090
3.50	0.028	0.098
3.80	0.028	0.106
4.00	0.028	0.112