

Metro Insulation

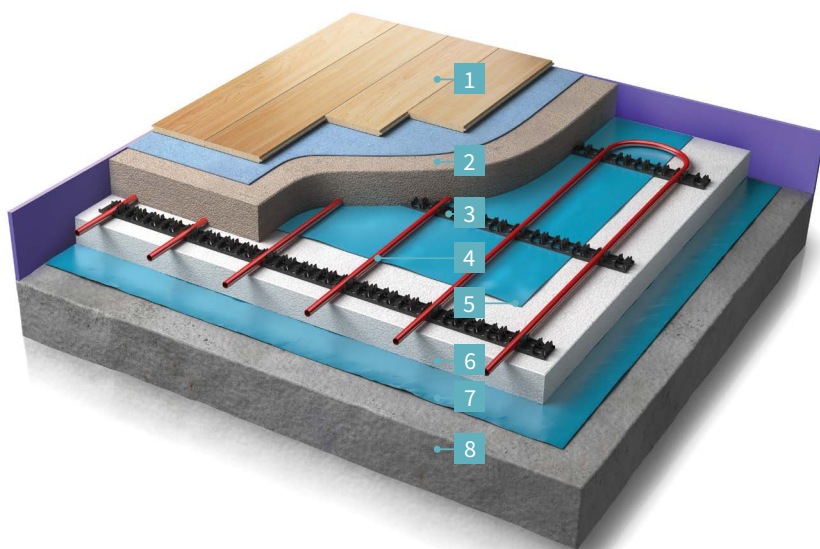
Overview

Warmup supplies an ungridded version of both Expanded Polystyrene (EPS) and foil faced Polyisocyanurate (PIR) insulation boards. The EPS boards provide excellent thermal performance with quick and easy install.

The PIR insulation boards have a tough woven aluminium foil composite on both sides. The foil face distributes the heat upward evenly. PIR insulation boards have a lower thermal conductivity making the boards much thinner than EPS insulation.

FLOOR CONSTRUCTION

- 1 Floor finish
- 2 65-75mm Sand & Cement Screed or proprietary screed
- 3 Warmup Metro Rail
- 4 Warmup 16mm Pipework
- 5 Moisture Control Layer
- 6 Rigid Insulation
- 7 DPM
- 8 Subfloor



Hydronic
Heating System

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Warmup

The world's best-selling floor heating brand™

Features

- Various compressive strengths are available, which safely allows the floor build-up to take imposed loads without damaging the integrity of the floor
- Insulation available in a variety of thickness from 25mm - 100mm
- Suitable for Metro, Tella, Nexxa, Forte, Econna & Tectora systems

Technical Specifications

METRO EPS INSULATION BOARDS - TECHNICAL SPECIFICATIONS

CODE	DIMENSIONS	THICKNESS	COMPRESSIVE STRENGTH @10% (kPa)	THERMAL CONDUCTIVITY @ 10°C	R-VALUE (m ² K/W)	FIRE CLASS EN 13501
WHS-MT-B07025	2.4m x 1.2m	25mm	70	0.038	0.66	F
WHS-MT-B07050	2.4m x 1.2m	50mm	70	0.038	1.32	F
WHS-MT-B07075	2.4m x 1.2m	75mm	70	0.038	1.97	F
WHS-MT-B070100	2.4m x 1.2m	100mm	70	0.038	2.63	F
WHS-MT-B10025	2.4m x 1.2m	25mm	100	0.036	0.69	F
WHS-MT-B010050	2.4m x 1.2m	50mm	100	0.036	1.39	F
WHS-MT-B10075	2.4m x 1.2m	75mm	100	0.036	2.08	F
WHS-MT-B10100	2.4m x 1.2m	100mm	100	0.036	2.78	F
PREMIUM RANGE						
WHS-MT-B07025+	2.4m x 1.2m	25mm	70	0.030	0.83	E
WHS-MT-B07050+	2.4m x 1.2m	50mm	70	0.030	1.67	E
WHS-MT-B07075+	2.4m x 1.2m	75mm	70	0.030	2.5	E
WHS-MT-B070100+	2.4m x 1.2m	100mm	70	0.030	3.33	E
WHS-MT-B10025+	2.4m x 1.2m	25mm	100	0.030	0.83	E
WHS-MT-B010050+	2.4m x 1.2m	50mm	100	0.030	1.67	E
WHS-MT-B10075+	2.4m x 1.2m	75mm	100	0.030	2.5	E
WHS-MT-B10100+	2.4m x 1.2m	100mm	100	0.030	3.33	E

METRO PIR INSULATION BOARDS - TECHNICAL SPECIFICATIONS

CODE	DIMENSIONS	THICKNESS	COMPRESSIVE STRENGTH @10% (kPa)	THERMAL CONDUCTIVITY @ 10°C	R-VALUE (m ² K/W)	FIRE CLASS EN 13501
WHS-MT-INS25	2.4m x 1.2m	25mm	150	0.022	1.14	E
WHS-MT-INS30	2.4m x 1.2m	30mm	150	0.022	1.36	E
WHS-MT-INS35	2.4m x 1.2m	35mm	150	0.022	1.59	E
WHS-MT-INS40	2.4m x 1.2m	40mm	150	0.022	1.82	E
WHS-MT-INS45	2.4m x 1.2m	45mm	150	0.022	2.04	E
WHS-MT-INS50	2.4m x 1.2m	50mm	150	0.022	2.27	E
WHS-MT-INS60	2.4m x 1.2m	60mm	150	0.022	2.73	E
WHS-MT-INS65	2.4m x 1.2m	65mm	150	0.022	2.95	E
WHS-MT-INS70	2.4m x 1.2m	70mm	150	0.022	3.18	E
WHS-MT-INS75	2.4m x 1.2m	75mm	150	0.022	3.41	E
WHS-MT-INS80	2.4m x 1.2m	80mm	150	0.022	3.63	E
WHS-MT-INS90	2.4m x 1.2m	90mm	150	0.022	4.09	E

Warmup Insulation Boards have zero Ozone Depletion Potential (ODP) and a Global Warming Potential (GWP) of less than 5