

# Hydronic Insulation

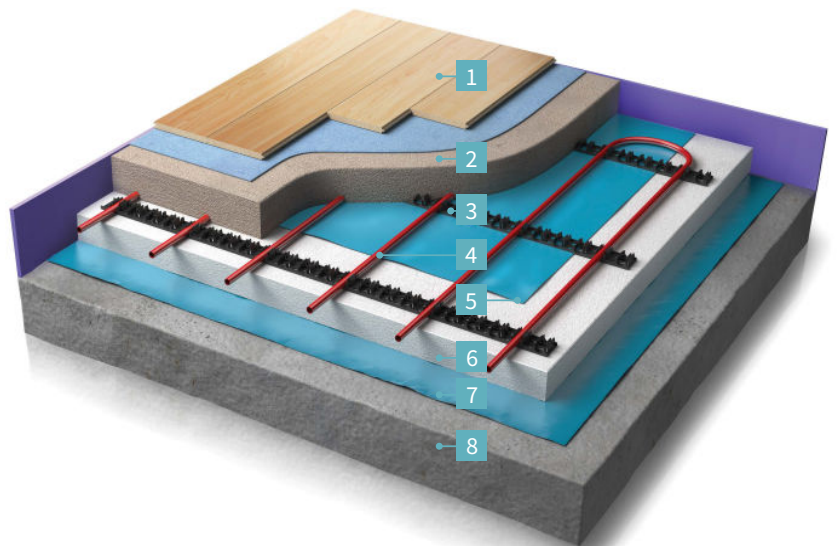
## Overview

Warmup supplies 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 Clypso, Metro, Tella, Nexxa, Forte, Econna & Tectora systems

# Technical Specifications

## EPS INSULATION BOARDS - TECHNICAL SPECIFICATIONS

CODE	DIMENSIONS	THICKNESS	COMPRESSIVE STRENGTH @10% (kPa)	THERMAL CONDUCTIVITY @ 10°C	R-VALUE (m <sup>2</sup> 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
<b>PREMIUM RANGE</b>						
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

## PIR INSULATION BOARDS - TECHNICAL SPECIFICATIONS

CODE	DIMENSIONS	THICKNESS	COMPRESSIVE STRENGTH @10% (kPa)	THERMAL CONDUCTIVITY @ 10°C	R-VALUE (m <sup>2</sup> K/W)	FIRE CLASS EN 13501
WHS-MT-INS25	2.4m x 1.2m	25mm	140	0.022	1.14	F
WHS-MT-INS30	2.4m x 1.2m	30mm	140	0.022	1.36	F
WHS-MT-INS40	2.4m x 1.2m	40mm	140	0.022	1.82	F
WHS-MT-INS50	2.4m x 1.2m	50mm	140	0.022	2.27	F
WHS-MT-INS60	2.4m x 1.2m	60mm	140	0.022	2.73	F
WHS-MT-INS70	2.4m x 1.2m	70mm	140	0.022	3.18	F
WHS-MT-INS75	2.4m x 1.2m	75mm	140	0.022	3.41	F
WHS-MT-INS80	2.4m x 1.2m	80mm	140	0.022	3.64	F
WHS-MT-INS90	2.4m x 1.2m	90mm	140	0.022	4.09	F
WHS-MT-INS100	2.4m x 1.2m	100mm	140	0.022	4.55	F

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