

Thermazone IVR Board

Thermazone IVR Board is an expanded polystyrene (EPS) rigid insulation board made from a low water absorption polystyrene bead.

INTENDED USE

Thermazone IVR Boards are intended to be used in conjunction with a suitable Water Flow Reducing Layer (WFRL) for use as a thermal insulation layer, in an inverted roof beneath suitable ballast material. Insulation boards should be installed in accordance with BMI Icopal's guidelines.

Upper Surface	No facing
Lower Surface	No facing
Insulant	Expanded polystyrene (EPS)

Characteristic	Test Method	Value or Statement	Units
Length (±0.6%)	EN 822	1200	mm
Width (±0.6%)	EN 822	590	mm
Density	-	30-32	kg/m ³
Compressive Strength	BS EN 826	200 (@10% compression)	kPa
Thermal conductivity	BS EN 13165	0.033	W/m.K

STORAGE

The products must be stored flat, off the ground, on a clean level surface, protected from high winds and prolonged exposure to sunlight, either under cover or with opaque, light-coloured polythene.

The products must not be exposed to open flame or other ignition sources.

Care must be taken to avoid contact with solvents and materials containing organic components.. Refer to BS 8000-4 (Section 2.1.2.2) for further information.

BALLAST

Ballast should be nominally 20-40mm diameter clean and smooth river-washed aggregate and installed at a depth (minimum 50mm) to prevent wind uplift or floatation of the insulation, please contact BMI Icopal Technical Services for a wind uplift calculation to determine the depth of ballast required specific to your project.

It should be reasonably free of fines to prevent clogging of the drainage system. In some areas additional ballast of paving slabs may be required, for example around perimeters. Alternative ballast may be concrete paving slabs of minimum depth of 40mm and placed on suitable support spacers/pads

Note: if you require the ballast to provide the external fire performance of the roof system in accordance with EC Directive 2000/553/EC please contact BMI Icopal Technical Services for advice.

PACKAGING

Description	Board Dimensions	Boards per pack	Product Code
Thermazone IVR Board – 80mm	1200mm x 590mm	60	20000365
Thermazone IVR Board – 120mm	1200mm x 590mm	40	20000256
Thermazone IVR Board – 130mm	1200mm x 590mm	36	20001052
Thermazone IVR Board – 150mm	1200mm x 590mm	32	20000257
Thermazone IVR Board – 160mm	1200mm x 590mm	30	20000258
Thermazone IVR Board – 170mm	1200mm x 590mm	28	20000259
Thermazone IVR Board – 180mm	1200mm x 590mm	26	20000260
Thermazone IVR Board – 205mm	1200mm x 590mm	24	20000261
Thermazone IVR Board – 220mm	1200mm x 590mm	22	20001016
Thermazone IVR Board – 240mm	1200mm x 590mm	20	20000262
Thermazone IVR Board – 260mm	1200mm x 590mm	18	20001000
Thermazone IVR Board – 320mm	1200mm x 590mm	14	20000263

INSTALLATION SUMMARY

Thermazone IVR Boards are laid above the completed waterproofing system in a staggered, break-bond pattern ensuring all boards are laid flat and close butted to minimise cold bridging.

The insulation boards should be laid in conjunction with the specified water flow reducing layer. The boards are to be installed in accordance with manufacturer's instructions and current and relevant standards such as BS 6229 and BS 5250.

For further details please consult our Flat Roofing Product Installation Guidelines or contact BMI Icopal Technical Services.

TECHNICAL SERVICES

For further information and technical support, please contact our technical services team:

T: +44 (0) 330 123 4585

E: technical.uk@bmigroup.com

SAFETY, QUALITY & ENVIRONMENT

BMI Icopal products are supplied under a Quality Management System approved to ISO 9001: 2015 and an Environmental Management System approved to ISO 14001: 2015, by TÜV NORD CERT GmbH.

Information regarding transportation, handling, storage and disposal can be found on the Safety Data Sheets.



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Product, technical standards and codes of practice are under constant review. We reserve the right to change and amend products and information without prior notice. For the latest information, suitability and specification advice, please contact BMI Icopal technical services team.