Roof Mate

Polystyrene Extruded Insulation Board

ROOFMATE is designed for installation above waterproofing or roofing membranes in protected membrane roof (PMR) applications. This extruded polystyrene foam insulation helps keep the membrane at a more steady temperature, minimizing the effects of weathering, freeze-thaw cycles and damage during and after construction. Extruded Polystyrene is an exceptionally versatile product, and as a result it can be used in a multitude of applications.



Superior R-Value – Superior Strength – Superior Moisture Resistance- environmentally friendly

Building Code Compliance Complies with ASTM C578 Type VI. Meets CAN/ULC S701 Type 4. Meets IBC/IRC requirements for foam plastic insulation. See ESR-2142, BOCA-ES RR 21-02, ICBO-ES ER-2257, CCMC - Evaluation Listing #04888

PROPERTIES

PROPERTY	STD	UNIT	Spec.
Density	DIN53420 ASTM D 1622	Kg/m³ Lb/ m³	32-35 2-2.2
Thermal Conductivity2 at 10◦C Mean temp 23.9◦C	DIN 52612 ASTM C 177-97	W/m.K Blu.in/ft².h. ◦F	0.028 0.20
Compressive strength³ at 10% deflection	DIN 53421 ASTM D 1621-95	kPa psi	300 43
Water absorption by submersion	DIN 53428 ASTM D 2842	% by vol. % by vol.	0.2 ≤1
Water vapor diffusson resistance factor μ Water vapor permeability	DIN 526 15 ASTM E 96-00	μ Perm-inch	100-200 0.4-0.6
Capillarity			none
Heat stability/compressive croop	DIN 18164	20kPa,80◦C Type	WD
Linear coefficient of thermal expansion and contraction	DIN 52328	◦C	70.10
Irreversible dimensional variation	-	%	≤0.2
Fire classification	DIN 4102	BM class	B1 (cant iginite)
UL classification according to ASTM-E-84	Max.4 Pcf density	165	165

engineered to perform

SIZES , R-VALUE TABLE and EDGE TREATMENT DETAILS

Thickness mm	R-Value	Board Size m	Edge Treatment	Min.compressive strength (psi)
30	6.0	0.60 X 1.25	Butt/Square Edge	40
50	12	0.60 X 1.25	Butt/Square Edge	40

INSTALLATION

RM Insulation board is strong, yet lightweight and easy to fabricate into various sizes and shapes to meet specific design needs. Because of the critical technical design aspects of many of its applications ,OBS recommends that qualified designers or consultants design your system. Contact a organix support team for more specific instruction.

ENVIRONMENTAL DATA

RM Insulation is hydro chlorofluorocarbon (HCFC) free with zero ozone depletion potential. And is reusable in many applications.

GUARANTYEE

Guaranteed to maintain its physical properties and a minimum of 90% 'R' value for a period of 30 years. The key to maintaining thermal performance is to reduce moisture absorption. RM's closed cell manufacturing process removes gaps between the cells, eliminating places for the water to enter through, so it maintains its thermal and physical properties, even in continuous moist situations.

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