

Nudura

HYDROFOAM



TECHNICAL DATA

Product Properties

Testing in accordance with Specification Standard ASTM C578-17 (USA) and CAN/ULC S701-11 (CAN) for Type II (2) EPS Foam

EPS Physical Properties Imperial (Metric) Values	ASTM Test Method	Spec. Std. Requirements	Results
Thermal resistance* F.ft ² .h/Btu (K.m ² /W)	C518	Min: 4.0 (0.70)	4.03 (0.71)
Water vapor permeance* Perm. (ng/Pa.s.m ²)	E96	Max: 3.5 (200)	2.14 (122)
Dimensional stability (%)	D2126	Max: 1.5	0.3
Flexural strength lb/in ² (kPa)	C203	Min: 35 (240)	53 (360)
Water absorption (%)	C272	Max: 4.0	0.23
Compressive properties lb/in ² (kPa)	D1621	Min: 16 (110)	23 (157)
Limiting oxygen index (%)	D2863	Min: 24	28

*NOTE: Property is expressed per 1-inch (25.4 mm) thickness of material.

Available Sizes

4ft x 4ft (1219mm x 1219mm) with the following thicknesses;

Sheet Thickness	Thermal Resistance Value	Overall Sheet Thickness (Including Anchoring)
2 ½" (64mm)	R-10 (RSI 1.76, U-Value 0.56 w/m ² •k)	3 3/8" (86mm)
4" (102mm)	R-16 (RSI 2.82, U-Value 0.35 w/m ² •k)	4 7/8" (124mm)

Concrete Volume Calculation

To determine the volume of concrete required to reach the top of the octagon projections multiply the **Total ft² of Area x 0.055 (Total m² x 0.0168)**. The resulting concrete volume is in ft³ (m³) and must be added to the volume of concrete calculated to be placed over top of the Hydrofoam.

WARNING

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