HYDROFOAM®

TECHNICAL DATA SHEET

EPS Physical Properties	ASTM Test Method	ULC-701 Type 2 Requirements	Type 2 HD Results
Thermal resistance 1 in (25mm) hr·°F·pi²/BTU (m²·°C/W)	C-518	**Min : 4,0 Min : (0,70)**	**4,03 (0,71)**
Water vapour permeability US Perm. (ng/Pa·s·m²)	E-96	**Max : 3,5 Max : (200)**	**2,14 (122)**
Dimensional stability (%)	D-2126	**Max : 1,5**	**0,3**
Flexural strength lb/in² (kPa)	C-203	**Min : 35 Min : (240)**	**53 (360)**
Water absorption (%)	D-2842	**Max : 4,0**	**0,23**
Compressive properties lb/in² (kPa)	D-1621	**Min : 16 Min : (110)**	**23 (157)**
Limiting oxygen index (%)	D-2863	**Min : 24**	**28**
The maximum continuous service temperature °F (°C) is 167 (75). The maximum intermittent service temperature °F (°C) is 180 (82,2). The coefficient of thermal expansion in/in/°F (mm/mm/°C) is 3,5 x 10-5 (6 x 10-5c-1) as per ASTM D-696 method.			

All HYDROFOAM® panels comply with the new Part 11 – Energy Efficiency requirements of the Quebec Construction Code (Building Chapter) for under-slab insulation when a hydronic heating system is used.

AVAILABLE SIZES

4 ft × 4 ft (1219 mm × 1219 mm) available in the following thicknesses: 2-1/2 in. (64 mm), R-10, resulting in an overall thickness of 3-3/8 in. 83 mm) with anchors and 4 in. (102 mm), R-16, resulting in an overall thickness of 4-7/8 in. (121 mm) with anchors

ISO 9001:2015
Certified quality management system ISO 9001:2015.

The expanded polystyrene used to manufacture HYDROFOAM® is Intertek certified (ETL Listed) in accordance with **ULC S701.**

Warning
Flammable: interior applications require a protective barrier.

All installations must comply with the National Building Code. The information and suggestions contained in this brochure are provided solely for informational purposes and are offered in a spirit of collaboration. To our knowledge, we believe the information presented can be considered reliable. This brochure shall not constitute, in any case, a REPRESENTATION or a WARRANTY either EXPRESS or IMPLIED, either in terms of the information, data and suggestions included, or with respect to the absence or violation of any patent or other rights of third parties. Any proposed applications must be evaluated beforehand according to the application context and must, as a result, be adapted or modified to suit local conditions and materials if necessary.