

TECHNICAL DATA SHEET



EPS Physical Properties	ASTM Test Method	ULC S701 Type 1	ULC S701 Type 2	Type 2 HD
Thermal resistance 1 in (25mm) hr·°F·ft ² /BTU (m ² ·°C/W)	C-518	Min : 3,7 Min : (0,65)	Min : 4,0 Min : (0,70)	Min : 4,15 Min : (0,73)
Water vapour permeability US Perm. (ng/Pa·s·m ²)	E-96	Max : 5,25 Max : (300)	Max : 3,5 Max : (200)	Max : 3,5 Max : (200)
Dimensional stability (%)	D-2126	Max : 1,5	Max : 1,5	Max : 1,5
Flexural strength lb/in ² (kPa)	C-203	Min : 25 Min : (170)	Min : 35 Min : (240)	Min : 38 Min : (262)
Water absorption (%)	D-2842	Max : 6,0	Max : 4,0	Max : 2,0
Compressive properties lb/in ² (kPa)	D-1621	Min : 10 Min : (70)	Min : 16 Min : (110)	Min : 27 Min : (186)
Limiting oxygen index (%)	D-2863	Min : 24	Min : 24	Min : 24
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 ⁻⁵) as per ASTM D-696 method.				

AVAILABLE SIZES

Standard dimensions of:

2 ft x 4 ft (610mm x 1219mm)

4 ft x 4 ft (1219mm x 1219mm)

2 ft x 8 ft (610mm x 2438mm)

4 ft x 8 ft (1219mm x 2438mm)

Other dimensions and densities available upon request.

ISO 9001:2015

Certified quality management system ISO 9001:2015.



The expanded polystyrene used to manufacture UNIFOAM® 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.

TECHNICAL DATA SHEET



EPS Physical Properties	ASTM Test Method	ULC S701 Type 3	Type 3 HD
Thermal resistance 1 in (25mm) hr·°F·ft²/BTU (m²·°C/W)	C-518	Min : 4,2 Min : (0,74)	Min : 4,26 Min : (0,75)
Water vapour permeability US Perm. (ng/Pa·s·m²)	E-96	Max : 2,25 Max : (130)	Max : 2,25 Max : (130)
Dimensional stability (%)	D-2126	Max : 1,5	Max : 1,5
Flexural strength lb/in² (kPa)	C-203	Min : 44 Min : (300)	Min : 70 Min : (482)
Water absorption (%)	D-2842	Max : 2,0	Max : 1,3
Compressive properties lb/in² (kPa)	D-1621	Min : 20 Min : (140)	Min : 46 Min : (317)
Limiting oxygen index (%)	D-2863	Min : 24	Min : 24
The maximum continuous 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.			

AVAILABLE SIZES

Standard dimensions of :

- 2 ft x 4 ft (610mm x 1219mm)
- 4 ft x 4 ft (1219mm x 1219mm)
- 2 ft x 8 ft (610mm x 2438mm)
- 4 ft x 8 ft (1219mm x 2438mm)

Other dimensions and densities available upon request.

UNIFOAM® 40 meets the #14301 MTQ requirements.

ISO 9001:2015

Certified quality management system ISO 9001:2015.

Warning

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