

Nordic Void is a strong, flexible and water resistant closed-cell elastomeric Void Form designed to be compliant yet resilient when used under suitable pile/pile-cap (caisson), pile cap/grade beam and slab on grade foundations.

MATERIAL PROPERTY	MATERIAL DATA	TESTING METHOD
Thermal Conductivity k (mean) @ -5 °C (23 °F) k (mean) @ 24 °C (75 °F)	0.0389 W/m*K (.273 Btu-in/hr-ft ² -F) 0.0432 W/m*K (.294 Btu-in/hr-ft ² -F)	ASTM C518
Thermal Resistance R-Value (RSI) @ -5 °C (23 °F) R-Value (RSI) @ 24 °C (75 °F)	R – 3.7 Hr-ft ² -°F/Btu (RSI-.599) R – 3.4 Hr-ft ² -°F/Btu (RSI-.652)	ASTM C518
Compressive Deflection: 10% Compression 20% Compression 25% Compression 30% Compression 40% Compression 50% Compression	68.3 kPa (9.9 psi) 73.8 kPa (10.7 psi) 78.6 kPa (11.4 psi) 85.5 kPa (12.4 psi) 104.8 kPa (15.2 psi) 133.1 kPa (19.3 psi)	ASTM D1621
Multiple Cycle Rebound @ 0°C (32°F) Rebound following multiple cycles of 25% compression performed @ 0°C following a 24 hour pre-load at 24.1 kPa (3.5 psi). Value reported is the per-cent recovered of the pre-load thickness.	> 95% (% recovery)	Norseman MPS-112
Compression Set: @ 50% compression	< 20%	ASTM D3575
Compressive Creep 300 hours & 1,000 hours @ 17.3 kPa (2.5 psi) 300 hours & 1,000 hours @ 24.1 kPa (3.5 psi)	< 4% @ 300 h / <6% @ 1,000 h <5% @ 300 h / <10% @ 1,000 h	ASTM D3575
Tensile Strength at Peak	165.5 kPa (24 psi)	ASTM D3575
Tear Strength	1.4 kN/m (8 lb/in.)	ASTM D3575
Thermal Stability - % shrinkage	< 2.0 %	ASTM D3575
Water Absorption	1.5 kg/m ² (0.3 lb/ft ²)	ASTM D3575

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