TECHNICAL INFORMATION

MILLING & OEM

Version Date: August 28, 2020

Solid Core™ Components
MOISTURESHIELD®

Desc	Test Method	IMPERIAL	METRIC
Recycled Content	-	95% - 100%	95% - 100%
Extrusion Tolerance - Width	-	±0.09 in	±2.29 mm
Extrusion Tolerance - Thickness	-	± 0.03 in	±0.76 mm
Milling Tolerance - Profile	-	±0.015 in	±0.38 mm
Milling Tolerance - Length	-	± 0.03 in	±0.76 mm
Density (1x5.4 Groove Profile)	-	62.43 lb/ft^3	1 g/cc
7 Day Water Absorption (5/4" Profiles 10" Long)	% weight gain	1.30%	1.30%
Swelling - 7-day absorption (1" profile)	% weight gain	0.85%	0.85%
Fungus Resistance (White & Brown Rot)	AWPA E10	PASS, <1%	PASS, <1%
Termite Resistance	AWPA E1	9	9
Flame Spread*	ASTM E84	Class C (110)	Class C (110)
Smoke Developed Index*	ASTM E84	350	350
Modulus of Elasticity (Average Ultimate Values at Ambient Conditions)	ASTM D7032	262,000 lb/in^2	1,806 Mpa
Modulus of Rupture (Average Ultimate Values at Ambient Conditions)	ASTM D7032	2,900 lb/in^2	20.0 Mpa
Compressive Strength* (Perpindicular)	ASTM D1621	962 lb/in^2	6.6 Mpa
Compressive Modulus* (Perpindicular)	ASTM D1621	21,926 lb/in^2	151.2 Mpa
Compressive Strength Perpendicular (1.5" Thick)	ASTM D1621	2,828 lb/in^2	19.5 Mpa
Compressive Modulus Perpendicular (1.5" Thick)	ASTM D1621	61,209 lb/in^2	422.0 Mpa
Thermal Conductivity	ASTM C518-02	1.191 (Btu-in/hr/ft^2/F)	0.172 (W/m/K)
Coefficient of Thermal Expansion	Internal Method	2x10-5 in/in/F	3.6x10-5 cm/cm/C
Screw Pull-Through: 5/4 nominal thickness, 2-1/4" x7 SS Trimhead Screw	ASTM D1037	373 lbs	1.66 kN
Screw Pull-Through: 2" nominal thickness, 2-1/4" x7 SS Trimhead Screw	ASTM D1037	612 lbs	2.73 kN
Screw Withdrawl: 5/4 nominal thickness, 2-1/4" x7 SS Trimhead Screw	ASTM D1761	699 lbs	3.11 kN
Screw Withdrawl: 2" nominal thickness, 2-1/4" x7 SS Trimhead Screw	ASTM D1762	820 lbs	3.65 kN
DYNE - Flame Treated	Accudyne Test Pen	50	50

* Test specimen was MoistureShield 1.1875x 5.4 engineered bottom decking profile.

GENERAL NOTES:

1. Mechanical properties listed represent average ambient values and are not to be used as design values.   Reference the appropriate code report for span information.

2. Values presented in this report are for reference only based on the test method identified; they do not represent a specific performance claim.