TECHNICAL SHEET

MODERN·MILL
BUILDING REVOLUTIONS

STANDARD	PROPERTY	VALUE
ASTM D792	Density [g/cm3]	**0.650 ± 0.050**
EN 789	Tensile strength [PSI]	**1,305**
EN 789	Tensile modulus [PSI]	**101,526**
ASTM D6109	Flexural strength [PSI]	**3,377**
ASTM D6109	Flexural modulus [PSI]	**175,000**
ASTM D2240	Hardness [Shore D]	**> 60**
ASTM D1761	Screw extraction resistance - surface [LBF]	**359**
ASTM D1761	Screw extraction resistance - narrow side [LBF]	**701**
ASTM D1761	Nail extraction resistance - surface [LBF]	**171**
ASTM D1761	Nail extraction resistance - narrow side [LBF]	**421**
ASTM D3359	Paint Adhesion	**5A**
ASTM D648	Heat Deflection Temp [°F]	**143.7**
ASTM D1525	Vicat Softening Temp [°F]	**154**
Annex to EN12667	Thermal conductivity (λ) [W/(mK)]	**≥0.07**
ASTM D696	Coefficient of Linear Thermal Expansion [in/in/°F]	**2.90×10^{-5}**
ASTM D1621	Compressive Strength [PSI]	**1,050**
ISO-10140-2	Airborne sound insulation [Rw(dB)]	**32**
ASTM D7032	Water absorption	**<1.0%**
ASTM E84	Flame Spread Index	**40**
TAS 202/203	Florida Product Approval #FL44191-R2	**Approved HVHZ**
TDI Review	Texas Department of Insurance Evaluation (Third Party Developed)	**FL44191.2**

- Attractive aesthetics
- Resistance to the elements
- Low Maintenance
- Versatile style
- Lasting durability
- US-based production
- Proven performance
- True sustainability
- Easy installation

STANDARD	PROPERTY	VALUE
CA SFM 12-7A-1	Approved for Use in WUI Designated Zones including Very High	**BML 8140-2385:0001**
ASTM D2394	Coefficient of Static Friction	**Sanded dry aves 0.71/ wet 0.97; emb dry 0.61/ wet 0.80**
ASTM D5116	Clean Air Gold Certified - Building Products & Furniture CDPH Standard Method v1.2	**0.5 mg/m3 or less**
EN 117	Resistance against termites	**Attempted attack - No infestation**
EN 15534-1:2012 based on ISO 16869	Resistance against wood - discolouring fungi	**Assessment number 0 No growth / No discolouration**
AgBB [Committee for Health-Related Evaluation of Building Products] Test concept / DIN EN ISO 16000-3/6/9 i.a.	VOC emission	**Passed**
French regulation no. 2011-321/DEVL1104875A	VOC emission	**Passed**
EN 15534-1:2014- 9.5.2 (based on ENV 12038)	Durability with respect to wood - destroying fungi (basidiomycetes)	**Class 1**
EN 15534.1:2014 - 8.5.6 (based on EN 15458)	Algae resistance	**Resistance against algae infestation**
EN 15534-1:2014, Subsection 8.5.3 based on CEN/TS 15083-2	Soft rot resistance	**Highest durability class**

***Data is for reference only.** Consult with your Modern Mill Sales Representative for project specific applications.

WE'RE HERE TO HELP!

Call us at 601-869-5050, or write to us at zen@modern-mill.com.

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