

TECHNICAL SHEET

STANDARD	PROPERTY	VALUE
ISO 1183	Density [g/cm ³]	0.650 ± 0.050
EN 789	Tensile strength [N/mm ²]	≥9.0
EN 789	Tensile module [N/mm ²]	≥700
EN 789	Bending strength [N/mm ²]	≥10
EN 789	Flexural module [N/mm ²]	≥800
EN 789	Shear module [N/mm ²]	≥160
EN 789	Shear strength [N/mm ²]	≥2.7
EN 1534	Brinell hardness [N/mm ²]	≥20
EN 320	Screw extraction resistance - surface [N]	≥1200
EN 320	Screw extraction resistance - narrow side [N]	≥1200
EN 320	Nail extraction resistance - surface [N]	≥200
EN 320	Nail extraction resistance - narrow side [N]	≥300
DIN EN 1383	Head pull-through parameter [N]	≥25
ISO 11359-2	Thermal linear expansion - coefficient [m/m°C]	5.2 *10⁻⁵
RES 101 SKZ	Thermal linear expansion force [N]	~1.500
Annex to EN 12667	Thermal conductivity (λ) [W/(mK)]	≥0.07
	Thermal capacity [J/(gK)]	1.02
DIN EN ISO 12572	Diffusion resistance (water vapour permeability)	μ = 1000
ISO-10140-2	Airborne sound insulation [Rw(dB)]	32
EN 117	Water absorption of unpolished panel / weight	≤ 0.2 % (24h) - Res
EN 317	Water absorption of unpolished panel / length	≤ 0.1 % (24h) - Res
EN 317	Water absorption of unpolished panel / width	≤ 0.1 % (24h) - Res
EN 317	Water absorption of unpolished panel / thickness	≤ 0.1 % (24h) - Res

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

STANDARD	PROPERTY	VALUE
UL V94	Fire behaviour standard	V0
DIN EN 13501	Fire behaviour standard - EN 13501	D,s3,d0
DVS 2203 Part 2	Short-term welding factor - tensile test	0.68
DVS 2203 Part 2	Short-term welding factor - flexural test	0.76
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 wooddestroying 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.

