

# TECHNICAL SHEET

-  ATTRACTIVE AESTHETICS
-  VERSATILE STYLE
-  PROVEN PERFORMANCE
-  RESISTANCE TO THE ELEMENTS
-  LASTING DURABILITY
-  TRUE SUSTAINABILITY
-  LOW MAINTENANCE
-  US-BASED PRODUCTION
-  EASY INSTALLATION

CHARACTERISTICS	STANDARD	VALUE	UNIT
Density	ISO 1183	37.46	lb/ft <sup>3</sup>
Tensile strength	EN 789	1305	PSI
Tensile module	EN 789	101526	PSI
Bending strength	EN 789	1450	PSI
Flexural module	EN 789	116030	PSI
Shear module	EN 789	23206	PSI
Shear strength	EN 789	392	PSI
Brinell hardness	EN 1534	31908	PSI
Screw extraction resistance - surface	EN 320	270	LBF
Screw extraction resistance - narrow side	EN 320	270	LBF
Nail extraction resistance - surface	EN 320	45	LBF
Nail extraction resistance - narrow side	EN 320	67	LBF
Head pull-through parameter	DIN EN 1383	5.62	LB
Thermal linear expansion coefficient	ISO 11359-2	2.88*10 <sup>(-5)</sup>	in / in F Pound
Thermal linear expansion force	RES 101 SKZ	337	Pound-Force
Thermal conductivity (λ)	Annex to EN 12667	≥0.07	W/(mK)
Thermal capacity		1.02	J/(gK)
Diffusion resistance (water vapour permeability)	DIN EN ISO 12572	μ = 1000	
Airborne sound insulation	ISO-10140-2	32	Rw(dB)
Water absorption of unpolished panel / weight	EN 317	≤ 2.0% (24h) - Res	
Water absorption of unpolished panel / length	EN 317	≤ 0.1 % (24h) - Res	
Water absorption of unpolished panel / width	EN 317	≤ 0.1 % (24h) - Res	
Water absorption of unpolished panel / thickness	EN 317	≤ 0.1 % (24h) - Res	
Fire behaviour standard - UL V94	UL V94	V0	
Fire behaviour standard - EN 13501	DIN EN 13501	D,s3,d0	
Short-term welding factor - tensile test	DVS 2203 Part 2	0.68	
Short-term welding factor - flexural test	DVS 2203 Part 2	0.76	
Resistance against termites	EN 117	Attempted attack - no infestation	
Resistance against wood - discolouring fungi	EN 15534-1:2012 based on ISO 16869	Assessment number 0 - No growth / No discolouration	
VOC emission	AgBB [Committee for Health-Related Evaluation of Building Products] Test concept / DIN EN ISO 16000-3/6/9 i.a.	Passed	
VOC emission	French regulation no. 2011-321 /DEV- L1104875A	Passed	
Durability with respect to wood - destroying fungi (basidiomycetes)	EN 15534-1:2014- 9.5.2 (based on ENV 12038)	Class 1	
Algae resistance	EN 15534.1:2014 - 8.5.6 (based on EN 15458)	Resistance against algae infestation	
Soft rot resistance	EN 15534-1:2014, Subsection 8.5.3 based on CEN/TS 15083-2	Highest durability class	



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## Sales Representatives

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5317 NW Goodwin Loop  
Camas, WA 98607

HDG Building Materials is an expert dealer for Resysta Rainscreen, Cladding, and Decking. HDG provides architectural sales and support in North America.

**503.360.9551**

[sales@hdgbuildingmaterials.com](mailto:sales@hdgbuildingmaterials.com)