

# Redux<sup>TM</sup>

DECKING EVOLVED

## TECHNICAL SPECIFICATION

**intertek**  
Total Quality. Assured.

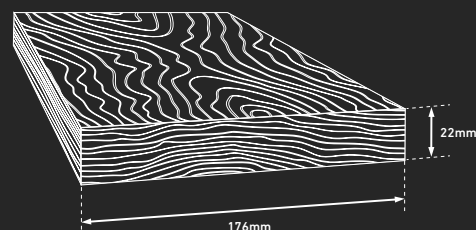
For more information please visit our website  
[www.composite-prime.com/product/redux](http://www.composite-prime.com/product/redux)

Test	Test Method	Test Description	REDUX	Requirements
Slip Resistance	EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007 EN 15534-4:2014 Section 4.4	Pendulum Wet Longitudinal	Mean: 46 Min: 45	≥ 36 (Shoe Shod 96 Slider)
		Pendulum Wet Horizontal	Mean: 45 Min: 43	
	EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007 EN 15534-4:2014 Section 4.4	Pendulum Dry Longitudinal	Mean: 52 Min: 48	≥ 36 (Shoe Shod 96 Slider)
		Pendulum Dry Horizontal	Mean: 54 Min: 50	
	DIN 51130:2014	Slip Resistance Oil-Wet Ramp Test	R11 21.6°	R9 = 6° < X ≤ 10° R10 = 10° < X ≤ 19° R11 = 19° < X ≤ 27° R12 = 27° < X ≤ 35° R13 = > 35°
Flexural Properties (400mm)	EN 15534-1:2014 Annex A EN 15534-4:2014 Section 4.5.2	Bending Strength	53.2 MPa	-F' max: Mean ≥ 3300 N Min ≥ 3000 N
		Modulus of Elasticity	1.94 GPa	
		Maximum Load	Mean: 10540 N Min: 9632 N	
		Deflection	Mean: 1.83 mm Max.: 2.09mm	
Tensile Properties	EN 15534-1:2014 Section 7.2 ISO 527-2:2012	Tensile Strength	Mean Value: 97.3 MPa	
Impact Resistance	EN 15534-1:2014 Section 7.1.2.1 EN 15534-4:2014 Section 4.5.1	Falling Mass Impact	Max Crack Length (mm): No Crack Max Residual Indentation (mm): 0.13	Pass
	EN 15534-1:2014 Section 7.1.1 ISO 179-1:2010	Charpy Impact Strength	Mean value: 77.25 kJ/m2	Method of Designation ISO 179-1/1fU
Pull Through Resistance	EN 15534-1:2014+A1:2017 Section 7.7 EN 1383:2016	Pull Through Resistance	Pull Through Parameter: 84.1 N/mm2	
Nail & Screw Withdrawal	EN 15534-1:2014+A1:2017 Section 7.6 EN 13446:2002	Nail & Screw Withdrawal	Withdrawal Capacity: 25.0 N/mm2	
Fire	EN ISO 9239-1:2010	Critical Heat Flux	Fire Behaviour: - Dfl Smoke Production: s-2	The classification has been carried out in accordance with EN 13501-1
	EN ISO 11925-2:2010 Exposure = 15 s	Ignitability		
Water Absorption	EN 15534-1:2014 Section 8.3.1 EN 15534-4:2014 Section 4.5.5	28 Days Immersion	Mean Swelling: 0.22% in thickness 0.08% in width 0.04% in length	Mean Swelling: ≤ 4% in thickness ≤ 0.8% in width ≤ 0.4% in length
			Max Swelling: 0.33% in thickness 0.09% in width 0.1% in length	Max Swelling: ≤ 5% in thickness ≤ 1.2% in width ≤ 0.6% in length
			Water Absorption: Mean: 2.3% Max: 2.4%	Water Absorption: Means ≤ 7% Max. ≤ 9%
Density	EN 15534-1:2014 Section 6.2 ISO 1183-1:2012 Method A	Density	0.868 g/cm3	

These specifications represent the result of Intertek evaluation of Redux™ to the requirements of the standards listed above.

# Redux™

DECKING EVOLVED



**Board Dimensions: 22 x 176 x 3600mm**

Cashmere™



Dusk



Fawn



Havana



Smoke



Redux™ is the result of many years of research and development to create a deck board that truly replicates timber boards.

Redux™ has been cast from aged American Red Oak timbers to give that authentic oak appearance beautifully replicating 14 uniquely grained boards to give the deck the integrity of oak timbers.

Manufactured utilising solar energy and recycled plastics, Redux™ minimises the consumption of virgin materials in a board that's user friendly to install.

