

Fire Retardant Timber Treatment



High Pressure Fire Retardant Timber Treatment Technology
Specifying certified, sustainable peace of mind

WJ GROUP - Over a decade of certified timber engineering and treatment.



- Fire Retardant
- Sustainable
- Certified
- Professional
- Trusted

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www.firewright.co.uk

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In partnership with...



Fire Retardant Timber Treatment



CLASSIFICATION TABLE FOR BURNBLOCK® TREATED WOOD

The protocol on fire testing and classification of GNB CPD position paper NB CPD/SH02/12/096 (issued 21 December 2012)), from the group of Notified Bodies for the Construction Products Directive has been applied in the process of testing.

Soft Wood

According to Classification: EN 13501 1: 2018 & EN 13501 1: 2020

According to Test: EN 13823 (SBI) & EN 14135: 2004

**Members Of The F1 Family
NOTE: Density is measured as Kg/m³*

Wood Species	Density	Thickness	Ventilated Cavity	Reaction to Fire Classes *1	Resistance to Fire Classes *2
Spruce*	355-536	15-42 mm	40 mm	B-s1, d0	K1, K2, 10/B-s1, d0
Pine*	450-600	15-42 mm	40 mm	B-s1, d0	
Western Red Cedar*	316-494	15-42 mm	40 mm	B-s1, d0	
Larch*	550-630	15-42 mm	40 mm	B-s1, d0	
Ayous*	330-530	15-42 mm	40 mm	B-s1, d0	
Western Red Cedar	350-450	12, 5 mm			
Douglas Fir	480-580	15-42mm	40mm	B-s1, d0	

Hard Wood

According to Classification: EN 13501 1: 2018 & EN 13501 1: 2020

According to Test: EN 13823 (SBI) & EN 14135: 2004

**Members Of The F1 Family
****Members Of The F3 Family
NOTE: Density is measured as Kg/m³*

Wood Species	Density	Thickness	Ventilated Cavity	Reaction to Fire Classes *1	Resistance to Fire Classes *2
Oak	500-750	20 mm		B-s1, d0	
Ash*	650-850	15-42 mm	40 mm	B-s1, d0	
Fraké	430-730	15-42 mm	40 mm	B-s1, d0	
Sapele****	325-690	15 mm	40 mm	B-s1, d0	

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Modified Wood

According to Classification: EN 13501 1: 2018 & EN 13501 1: 2020

According to Test: EN 13823 (SBI) & EN 14135: 2004

***Members Of The F2 Family*

******Members Of The F4 Family*

NOTE: Density is measured as Kg/m3

Wood Species	Density	Thickness	Ventilated Cavity	Reaction to Fire Classes *1	Resistance to Fire Classes *2
Thermo Spruce**	314-434	15-42 mm	40 mm	B-s1, d0	
Thermo Fraké**	410-730	15-42 mm	40 mm	B-s1, d0	
Thermo Poplar**	350-500	15-42 mm	40 mm	B-s1, d0	
Thermo Ash**	590-680	15-42 mm	40 mm	B-s1, d0	
Thermo D-Pine**	450-500	15-42 mm	40 mm	B-s2, d0 B-s1, d0	
Thermo Ayous**	269-374	15-42 mm	40 mm	B-s2, d0 B-s1, d0	
Accoya*****	400-600	19 mm	40 mm	B-s2, d0 B-s1, d0	
Thermo Radiata Pine	380-580	15-42mm	40mm	B-s1, d0	

Did You Know...

- Made only out of natural substances, fully biodegradable, non-toxic, pH-neutral, non-corrosive, and VOC emission free.
- Does not need to be heated when mixed – the fire retardant is fully effective at any temperatures normally occurring during manufacturing processes.
- Available in fluid and powder form and can thus be adapted to suit a company's individual needs and manufacturing facilities.
- Can meet all current statutory requirements for fire retardants. This makes Burnblock a reliable and safe product that can be used for impregnation of absorbent building materials.



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Plywood

According to Classification: EN 13501 1: 2018 & EN 13501 1: 2020

According to Test: EN 13823 (SBI) & EN 14135: 2004

***Members Of The F5 Family

+ Customer Ownership

NOTE: Density is measured as Kg/m³

Wood Species	Density	Thickness	Ventilated Cavity	Reaction to Fire Classes *1	Resistance to Fire Classes *2
Birch Plywood***	650-750	12 mm	40 mm	B-s1, d0	
Birch Plywood	650-750	12 mm	40 mm	B-s1, d0	K1, K2, 10/B-s1,d0
Pine Plywood	450-600	12 mm	40 mm	B-s1, d0	K1, K2, 10/B-s1,d0
Eucalyptus Plywood+	540-610	9 mm	40 mm	B-s1, d0	
Eucalyptus Plywood+	540-610	5.5 mm	40 mm	B-s1,d0	
Beech Faced Eucalyptus Plywood	430-590	9mm	40mm	B-s1,d0	

EN45545 2:2013

Fire behaviour of materials and products used in trains

Wood Species	Density	Thickness	Resistance to Fire Classes *2
Birch Plywood	700-750	12 mm	R10; HL1/HL2/HL3 (flooring)
Birch Plywood	700-750	12 mm	R1; HL1/HL2 (walls)
Birch Plywood	700-750	12 mm	R7; HL1/HL2 (exterior walls)

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