



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.

Softwood

According to Classification: EN 13501-1:2007+A1:2009 and EN 13501-2:2007+A1:2009 and EN 13501-1:2018

According to Classification: EN 13823 (SBI) and EN 14135:2004

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	
Western Red Cedar*	350-450	12,5 mm		B-s2,d0	

* Members of Softwood Family

Hardwood

According to Classification: EN 13501-1:2007+A1:2009 and EN 13501-2:2007+A1:2009 and EN 13501-1:2018

According to Classification: EN 13823 (SBI) and EN 14135:2004

Wood Species	Density	Min. Thickness	Ventilated Cavity	Reaction to Fire Classes *1	Resistance to Fire Classes *2
Oak	500-750	20 mm		B-s1,d0	
Sapele****	325-690	15 mm	40 mm	B-s1,d0	

**** Members of Hardwood Family

Modified Wood

According to Classification: EN 13501-1:2007+A1:2009 and EN 13501-2:2007+A1:2009 and EN 13501-1:2018

According to Classification: EN 13823 (SBI) and EN 14135:2004

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 Ash**	590-680	15-42 mm	40 mm	B-s1,d0	
Thermo Pine**	450-500	15-42 mm	40 mm	B-s1,d0	
Thermo Ayous**	269-374	15-42 mm	40 mm	B-s1,d0	
Accoya	400-600	19 mm	40 mm	B-s1,d0	

** Members of Thermo Modified Family

Product Details

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Issued 28.09.2022

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Independent 3rd party institutes.

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MEKA

Fire Safety

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The Swedish Research Institute

MPA Eberswalde

Materialprüfanstalt Brandenburg

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BANGOR UNIVERTISTY

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We are constantly expanding our certifications.
Please contact us for specific requests.



Plywood

According to Classification: EN 13501-1:2007+A1:2009 and EN 13501-2:2007+A1:2009 and EN 13501-1:2018

According to Classification: EN 13823 (SBI) and EN 14135:2004

Wood Species	Density	Min. Thickness	Ventilated Cavity	Reaction to Fire Classes *1	Resistance to Fire Classes *2
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
LVL	550-600	27 mm		B-s1,d0	

MDF - Medium-Density Fiberboard

According to Classification: EN 13501-1:2007+A1:2009 and EN 13501-2:2007+A1:2009

According to Classification: EN 13823 (SBI) and EN 14135:2004

Wood Species	Density	Min. Thickness	Reaction to Fire Classes *1	Resistance to Fire Classes *2
Wood fibers for MDF	750	19 mm	B-s1,d0	

Fire Resistance Class SP Fire 105

The facade cladding described above has been fire tested accordance with SP Fire 105, issue 5, dated 1994-09 and is assessed to satisfy the requirement for external walls in buildings of class Br1.

Wood Species	Density	Min. Thickness	Reaction to Fire Classes *1	Resistance to Fire Classes *2
Spruce	350-600	21 mm	B-s1,d0	SP 105
Thermo Pine***	450-500	21 mm	B-s1,d0	SP 105
Oak ***	500-750	23 mm	B-s1,d0	SP 105

*** Customer ownership

Indication test according to EN 13823 (SBI)

The single test indicates a classification of B-s1,d0 according to EN 13501-1

Wood Species	Density	Min. Thickness	Reaction to Fire Classes Indicates DK Klasse A-Materials	Resistance to Fire Classes Indicates DK Klasse 1-Cladding
Bamboo	600-700	26 mm	B-s1,d0	
Poplar plywood	530-580	45 mm	B-s1,d0	

EN45545-2:2013 fire behavior of materials and products used in trains

Wood Species	Density	Min. Thickness	Fire Resistance Class
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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SURFACE COATING

LACQUER - Interior Lacquer for Wood and Wood-based Products

The Burnblock® Lacquer is a finishing for Burnblock® treated materials. Fully certified fire-retardant treatment is only possible when using the LW-121/45/BB lacquer in connection with Burnblock® treated wood (non-contributing to the development of fire).

Wood Species	Density	Min. Thickness	Reaction to Fire Classes. Indicates DK Klasse A-Materials
Pine Plywood	300-684	12 mm	B-s1,d0

PAINT: SHERWIN WILLIAMS

Sherwin Williams SC1420 + EG1570 on Burnblock® B,s1-d0 certified wood

Wood Species	Density	Min. Thickness	Ventilated Cavity	Reaction to Fire Classes
Softwood family	355-536	15 mm	40 mm	B-s1,d0
Thermo Modify family	450-500	15 mm	40 mm	B-s2,d0

LASUR: MASQUELACKS

Cosy Vintage Masquelack on Burnblock® B,s1-d0 certified wood

Wood Species	Density	Min. Thickness	Ventilated Cavity	Reaction to Fire Classes
Softwood family	355-536	15 mm	40 mm	B-s1,d0
Thermo Modify family	450-500	15 mm	40 mm	B-s2,d0

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