



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.

Solid Wood

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	Ventilated Cavity	Reaction to Fire Classes *1	Resistance to Fire Classes *2
Spruce	355-536	15 mm	40 mm	B-s1,d0	K1, K2,10/ B-s1,d0
Pine	450-600	21 mm		B-s1,d0	
Oak	500-750	20 mm		B-s1,d0	
Western Red Cedar	350-450	12.5 mm		B-s2,d0	
Western Red Cedar	316-494	15 mm	40mm	B-s1,d0	
Siberian Larch	650-750	21,5 mm		B-s1,d0	

Thermo Wood

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	Ventilated Cavity	Reaction to Fire Classes *1	Resistance to Fire Classes *2
Thermo Ash	590-680	15 mm	40 mm	B-s1,d0	K1, K2,10/ B-s1,d0
Thermo Pine	450-500	15 mm	40 mm	B-s1,d0	
Thermo Ayous	269-374	15 mm	40 mm	B-s1,d0	
Accoya	400-700	19 mm		B-s1,d0	

Plywood

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	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	

Product Details

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Certification & Test

Independent 3rd party institutes.

BRE UK

Building science centre

DBI

Fire and Security

RISE

The Swedish Research Institute

MPA Eberswalde

Materialprüfanstalt Brandenburg

AIDIMME

Instituto Tecnológico

For further information,
please contact:

Paw Fællø

Senior R&D Manager, Burnblock

mobile: +45 31 32 36 67

email: pf@burnblock.com

Burnblock ApS

Wilders Plads 8A

1403 Copenhagen K

Denmark

Office: +45 70 23 20 53

email: info@burnblock.com

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Classification Table for Burnblock Treated Wood

MDF - Medium-Density Fibreboard

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
Woodfibers 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

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-Clothing
Bamboo	600-700	26 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)

FINISHING - Interiour 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

Product Details

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Testing Institute:
Independent 3rd party institute:

BRE UK
Building science centre

DBI
Fire and Security

RISE
The Swedish Research Institute

MPA Eberswalde
Materialprüfanstalt Brandenburg

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Instituto Tecnológico

For further information on this product, please contact:

Paw Fællid
Senior R&D Manager, Burnblock

mobile: +45 31 32 36 67
email: pf@burnblock.com

Burnblock ApS
Wilders Plads 8A
1403 Copenhagen K
Denmark

Office: +45 70 23 20 53
email: info@burnblock.com

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