



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.

According to Classification: EN 13501-1:2007+A1:2009 and EN 13501-2:2007+A1:2009
According to fire testing: EN 13823 (SBI) and EN 14135:2004

Wood Species	Density	Min. Thickness	Reaction to Fire Classes *1	Resistance to Fire Classes *2
Birch Plywood	650-750	12 mm	B-s1,d0	K1, K2,10/ B-s1,d0
Pine Plywood	450-600	12 mm	B-s1,d0	K1, K2,10/ B-s1,d0
Spruce	350-600	21 mm	B-s1,d0	K1, K2,10/ B-s1,d0
LVL	350-600	20 mm	B-s1,d0	
Pine	450-600	20 mm	B-s1,d0	
Oak	500-750	20 mm	B-s1,d0	
Poplar Plywood	400-500	12 mm	B-s1, d0	
Thermo Ash	590-650	21.5 mm	B-s1,d0	
Thermo Pine	450-500	19 mm	B-s1,d0	
Cedar	350-450	12.5 mm	B-s2,d0	
Siberian Larch	650-750	22 mm	B-s1,d0	
Accoya	550-550	19 mm	B-s1,d0	
Ayous	400-700	15 mm	B-s1,d0	

1: DK Class A Materials / 2: DK Class1 Cladding

MDF - Medium-Density Fibreboard

According to Classification: EN 13501-1:2007+A1:2009 and EN 13501-2:2007+A1:2009
According to fire testing: EN 13823 (SBI) and EN 14135:2004

Wood Species	Density	Thickness	Fire Resistance Class
Woodfibers for MDF	730	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	Thickness	Fire Resistance Class
Spruce	350-600	21 mm	SP 105

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

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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	Thickness	Fire Resistance Class
Birch plywood	650-750	12 mm	R10; HL1/HL2/HL3 (flooring)
Birch plywood	650-750	12 mm	R1; HL1/HL2 (walls)
Birch plywood	650-750	12 mm	R7; HL1/HL2 (exterior walls)

FINISHING - 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 *1
Pine Plywood	650-750	12 mm	B-s1,d0

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

Product Details

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Certification & Test

Testing Institute:

Independent 3rd party institute:

BRE UK

Building science centre

DBI

Fire and Security

RISE

The Swedish Research Institute

MPA Eberswalde

Materialprüfanstalt Brandenburg

AIDIMME

Instituto Tecnológico

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