



Date  
Fire-retardant treated  
Solid wood paneling and cladding



## Declaration of Performance (Hestus DoP 02)

Reference: Hestus-2412-CPR-1063 - in compliance with EU Regulation 305/2011/EU

<b>Product type:</b>	Fire-retardant treated solid wood paneling and cladding. <b>EN 14915:2013</b>
<b>Company:</b>	Hestus B.V.
<b>Production site:</b>	Westervoortsedijk 73, 6827 AV Arnhem, The Netherlands
<b>Notified certification body &amp; AVCP system:</b>	Finotrol Oy, Teollisuuskatu 3, FI-50130 Mikkeli, Finland. Notified certification body no: 2412 has performed initial inspection of the manufacturing plant and production control and performs continuous surveillance, assessment and evaluation of factory production control under system 1 and issued the certificate of conformity of factory production control: Hestus-2412-CPR-1063
<b>Declared performances</b>	In accordance with EN 14915:2013 with reference to Certificate of Performance Hestus-2412-CPR-1063

Specie	Nominal density range (kg/m <sup>3</sup> )	Thickness (mm)	Average dry-uptake (kg/m <sup>3</sup> )	Reaction to fire (Euroclass)	Thermal conduct. (W/m*K) (EN 14915/5.6/table 4)
<b>Thermo Spruce</b> (Picea Abies)	314-434	15-42	52,5	<b>B-s1,d0</b>	0,09-0,11
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With or a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s2,d0				
<b>Thermo Frake</b> (Terminalia superba)	410-730	15-42	52,8	<b>B-s1,d0</b>	0,13-0,15
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With or a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s2,d0				
<b>Thermo Ayous</b> (Ayous Sterculiaceae)	269-374	15-42	50,4	<b>B-s1,d0</b>	0,09-0,11
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With or a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s2,d0				
<b>Thermo Poplar</b> (genus Populus species)	350-500	15-42	54,9	<b>B-s2,d0</b>	0,09-0,11
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With or a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s3,d0				



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<b>Accoya</b> (Pinus Radiata)	500-550	≥ 19	78	<b>B-s1,d0</b>	0,13-0,15
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2 - s1,d0 ≥ 9mm, density ≥ 652 kg/m <sup>3</sup> . Without airgap.				
<b>Accoya</b> (Pinus Radiata)	568	19	76,2	<b>B-s1,d0</b>	0,13-0,15
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With or a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally, horizontal and vertical joints. Nominal thickness >19 mm= B-s2,d0				
<b>Spruce</b> (Picea Abies)	355-536	15-42	38	<b>B-s1,d0</b>	0,09-0,13
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With or a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s2,d0				
<b>Larch</b> (Larix Siberica)	650-750	15-42	38	<b>B-s1,d0</b>	0,15-0,24
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s2,d0				
<b>Larch</b> (Larix decidua)	550-470	15-42	38	<b>B-s1,d0</b>	0,13-0,18
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s2,d0				
<b>Cedar</b> (Western red cedar)	320-490	15-42	38	<b>B-s1,d0</b>	0,09-0,13
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s2,d0				



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<b>Platwood® Spruce</b> (Picea Abies)	300-470	15-42	38	<b>B-s1,d0</b>	0,09-0,13
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With or a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s2,d0				
<b>Platwood® Frake</b> (Terminalia superba)	430-730	15-42	42	<b>B-s1,d0</b>	0,13-0,15
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With or a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s2,d0				
<b>Platwood® Poplar</b> (genus Populus species)	350-500	15-42	38	<b>B-s2,d0</b>	0,09-0,11
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With or a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s3,d0				
<b>Platwood® Ayous</b> (Triplachiton scleroxylon)	330-530	15-42	38	<b>B-s1,d0</b>	0,09-0,11
Intended use and mounting	Fixed mechanically to substrate. Substrate: Any substrate of classes A1 or A2-s1,d0, ≥t 12mm thickness, density ≥ 525 kg/m <sup>3</sup> . With or a ventilated or non-ventilated airgap between product and substrate or with no airgap. Mounting: Profiles horizontally or vertically, horizontal and vertical joints. Nominal thickness >42 mm= B-s2,d0				



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Additional information	
<b>Sound absorption (Hz):</b>	250 Hz - 500 Hz: 0,1 / 1000 Hz - 2000 Hz: 0,3 (EN 14915/ 5.5/Table 3)
<b>Fire retardant solution:</b>	Burnblock
<b>Formaldehyde:</b>	E1
<b>Pentachlorophenol:</b>	0 ppm
<b>Water vapour permeability g (μ):</b>	Density kg/m <sup>3</sup> 450-700: Wet 20-50 / Dry: 50-200 (EN 14915/5.4/table 2)
<b>EU Reach Regulation:</b>	Burnblock fire retardant do not contain any kind of chemicals or dangerous substances. Please see specifications: <a href="http://www.burnblock.com">www.burnblock.com</a>

The performances of the products declared above are in consistency with the declared performance. This declaration of performance is in compliance with the EU regulation 305/2011 on the sole responsibility of the manufacture mentioned above.

Signed on behalf of producer, 24-9-2024

Han van Rooijen, Hestus

