

Thermally modified softwood for outdoor areas VEH A and VEH B

VEH grade designation:

Designation	Proportion of grade	
	A	B
VEH A	100%	–
VEH Top	60%	40%
VEH AB	30%	70%
VEH B	–	100%

Thermally modified softwood for outdoor areas

Grading specifications for thermally modified softwood for outdoor areas

(1) The grading specifications apply to all kinds of thermally modified softwood varieties.

(3) Origin: European and Nordic/Siberian

(2) For thermally modified softwood for outdoor areas, the following standards apply mutatis mutandis:
EN 14915
EN 13629

December 2017

page 2/3

VEH A	VEH B
Knots	
<p>✓ permitted Completely intergrown healthy knots of any number, Size max. 25% of board or moulded board width.</p> <p>Partly intergrown and bark-surrounded knots up to 1 per running metre; any distribution along the length of the board allowed. Size up to 20% of board width Black pin knots up to a diameter of 5 mm are permitted and are not taken into account. In the case of boards made from quarter-sawn (rift) or rift sawn (semi rift) wood, the aforementioned knot sizes apply +20 mm.</p> <p>⊘ not permitted Loose and fallen-out knots. End-grain dowel not permitted.</p>	<p>✓ permitted Completely intergrown knots, partly intergrown knots, bark-surrounded knots of any number.</p> <p>Dead knots (not intergrown) knots up to 1 per running metre; any distribution along the length of the board allowed. Black pin knots of up to 5 mm diameter are permitted and are not taken into account. b > 100 mm: knot size max. 10% of board or moulded board width +40 mm. b < 100 mm: knot size max. 60% of board or moulded board width.</p> <p>⊘ not permitted Loose and fallen-out knots. End-grain dowel not permitted.</p>
Chipped-off parts and incorrectly machined areas	
<p>✓ permitted In max. 15% of goods chipped-off parts or fallen-out knots up to max. 15 mm diameter.</p>	<p>✓ permitted Chipped-off parts or fallen out knots up to max. 30 mm diameter.</p>
Compression wood (boxwood)	
<p>✓ permitted</p>	<p>✓ permitted</p>
Distortion	
<p>✓ permitted Bowed and twisted boards, as long as expert laying is still ensured.</p>	<p>✓ permitted Bowed and twisted boards, as long as expert laying is still ensured.</p>
Resin pockets	
<p>✓ permitted Size up to 3 mm x 40 mm or area of 120 mm². Number: up to 1 per running metre, any distribution along the length of the board allowed. Resin galls up to 1 mm x 20 mm are not taken into account.</p>	<p>✓ permitted Size up to 5 mm x 60 mm or area of 300 mm². Number: up to 3 per running metre, any distribution along the length of the board allowed. Resin galls up to 3 mm x 40 mm are not taken into account.</p>
Fissures (cracks)	
<p>✓ permitted Interrupted surface cracks on the visible surface (hair cracks). In max. 20% of goods, traversing end cracks not longer than the board width.</p> <p>⊘ not permitted Ring shakes</p>	<p>✓ permitted Interrupted surface cracks on the visible surface. Traversing end cracks, not longer than 1.5 times the width of the piece.</p> <p>⊘ not permitted Ring shakes</p>

Thermally modified softwood for outdoor areas

Grading specifications for thermally modified softwood for outdoor areas

(1) The grading specifications apply to all kinds of thermally modified softwood varieties.

(3) Origin: European and Nordic/Siberian

(2) For thermally modified softwood for outdoor areas, the following standards apply mutatis mutandis:
EN 14915
EN 13629

December 2017

page 3/3

VEH A	VEH B
Pith	
<p>✓ permitted In max. 15% of the goods, on the visible surface up to a maximum of 30% of board length and 5 mm width.</p>	<p>✓ permitted</p>
Colour	
<p>✓ permitted</p>	<p>✓ permitted</p>
Sapwood	
<p>✓ permitted</p>	<p>✓ permitted</p>
fungal attack	
<p>⊘ not permitted Soft rotten wood areas are not permitted.</p>	<p>⊘ not permitted Soft rotten wood areas are not permitted.</p>
insect attack	
<p>⊘ not permitted</p>	<p>⊘ not permitted</p>
Wane	
<p>✓ permitted On the reverse, as long as expert laying is still ensured.</p> <p>⊘ not permitted On the visible side.</p>	<p>✓ permitted On the reverse, as long as expert laying is still ensured.</p> <p>⊘ not permitted On the visible side.</p>
Bark pockets	
<p>⊘ not permitted</p>	<p>✓ permitted Knot sized or corresponding size in mm².</p>
Rough surface	
<p>✓ permitted According to VEH Quality guidelines.</p>	<p>✓ permitted According to VEH Quality guidelines.</p>

Order now on www.vehu.org as Hardcopy or E-Paper:



VEH Quality guidelines for planed profiles
7th edition, 2016
ISBN 978-3-9503975-0-5
(also as App available)



VEH wood facades
1st edition, 2014
ISBN 978-3-9502386-9-3



VEH wood terraces
1st edition, 2013
ISBN 978-3-9502386-7-9