



QUALITY BOOK

DECLARATIONS OF PERFORMANCE
FOR MALER WOOD PRODUCTS



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Quality to finishing

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DECLARATION OF PERFORMANCE

EM PINE MOLDING

- 8 mm size solid knots, scars and wood barks are allowed in the product, at most two per metre.
- Individual non-penetrating hairline cracks are allowed in the product.
- Reaction wood is allowed to the extent that the installation of the product does not become substantially more difficult due to its impact.
- Knot cracks, knot holes, resin pockets, heart strips, blue stains, discolouration, rot, insect damage or patches are not allowed in the product.
- Finger joints are permitted only if mentioned separately with the product.
- Bigger knots etc. characteristics are allowed on the inferior side of the product.
- 95% of the products must fulfil the quality requirements.

The product is manufactured from pine and due to its live material it contains, for example, knots.

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Maler Oy Joutsentie 2, 84100 YLIVIESKA
13
DoP: 001DoP2013-07-01

EN 14915:2006+ AC:2007

Tongue and groove joint massive pine panel
93...190 mm x 10...14 mm

Indoor wall and ceiling panel

Density and thickness 420, 9...14/6...8

Fire performance D-s2,d2

Release of formaldehyde E1

Pentachlorophenol concentration -

Permeability of water vapour 62

Absorption of noise 0.1 / 0.3

Thermal conductivity 0.116 W/m K

Other information: www.maler.fi

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EM PINE PANEL

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DECLARATION OF PERFORMANCE

FINGER-JOINTED PINE MOLDING

- Knots, scars, wood barks, heart strips, blue stains, discolouration, rot, insect damage or patches are not allowed in the product.
- Individual non-penetrating hairline cracks are allowed in the product. A closed crack whose length is at most the width of the product is allowed in the ends of the product.
- Reaction wood is allowed to the extent that the installation of the product does not become substantially more difficult due to its impact.
- Resin pockets, whose combined length is 50 mm at most per one metre, are allowed in the product. The length of an individual resin pocket may be 30 mm at most and the width 3 mm at most. Penetrating resin pockets are not allowed.
- Knots etc. characteristics are allowed on the inferior side of the product.
- 95% of the products must fulfil the quality requirements.

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Pentachlorophenol concentration -

Permeability of water vapour 62

Absorption of noise 0.1 / 0.3

Thermal conductivity 0.116 W/m K

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DECLARATION OF PERFORMANCE

FINGER-JOINTED PINE PANEL

- Knots, scars, wood barks, heart strips, blue stains, discolouration, rot, insect damage or patches are not allowed in the panel.
- Individual non-penetrating hairline cracks are allowed in the panel. A closed crack whose length is at most the width of the product is allowed in the ends of the product.
- Reaction wood is allowed to the extent that the installation of the product does not become substantially more difficult due to its impact.
- Resin pockets, whose combined length is 50 mm at most per one metre, are allowed in the panel. The length of an individual resin pocket may be 30 mm at most and the width 3 mm at most. Penetrating resin pockets are not allowed.
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DECLARATION OF PERFORMANCE

VM PINE MOLDING

- 15 mm size solid knots, scars and wood barks are allowed in the product, at most two per metre and 10 mm size solid knots at most three per metre.
- One 8 mm knot crack is allowed per two metres in the edges of the visible flat side.
- Resin pockets are allowed to a limited extent, but not penetrating ones.
- Individual non-penetrating hairline cracks are allowed in the product. Penetrating cracks are allowed only in the ends of the pieces, the length at most the width of the product.
- Reaction wood is allowed to the extent that the installation of the product does not become substantially more difficult due to its impact.
- Knot holes, heart strips, blue stains, discolouration, rot, insect damage or patches are not allowed in the product. Finger joints are permitted only if mentioned separately with the product
- Bigger knots etc. characteristics are allowed on the inferior side of the product.
- 95% of the products must fulfil the quality requirements.

The product is manufactured from pine and due to its live material it contains, for example, knots.

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Indoor wall and ceiling panel

Density and thickness 420, 9...14/6...8

Fire performance D-s2,d2

Release of formaldehyde E1

Pentachlorophenol concentration -

Permeability of water vapour 62

Absorption of noise 0.1 / 0.3

Thermal conductivity 0.116 W/m K

Other information: www.maler.fi

DECLARATION OF PERFORMANCE

VM PINE PANEL

- 15 mm size solid knots, scars and wood barks are allowed in the product, at most two per metre and 10 mm size solid knots at most three per metre.
- One 8 mm knot crack is allowed per two metres in the edges of the visible flat side.
- Resin pockets are allowed to a limited extent, but not penetrating ones.
- Individual non-penetrating hairline cracks are allowed in the product. Penetrating cracks are allowed only in the ends of the pieces, the length at most the width of the product. A closed crack whose length is at most one half of the width of the product is allowed in the ends of the end-tongued product.
- Reaction wood is allowed to the extent that the installation of the product does not become substantially more difficult due to its impact.
- Knot holes, heart strips, blue stains, discolouration, rot, insect damage or patches are not allowed in the product. Finger joints are permitted only if mentioned separately with the product.
- Bigger knots etc. characteristics are allowed on the inferior side of the product.
- 95% of the products must fulfil the quality requirements.

The product is manufactured from pine and due to its live material it contains, for example, knots.

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DECLARATION OF PERFORMANCE

VM/EM PINE MOLDING

- 15 mm size solid knots, scars and wood barks are allowed in the product, at most two per metre and 10 mm size solid knots at most three per metre.
- One 8 mm knot crack is allowed per two metres in the edges of the visible flat side.
- Resin pockets are allowed to a limited extent, but not penetrating ones.
- Individual non-penetrating hairline cracks are allowed in the product. Penetrating cracks are allowed only in the ends of the pieces, the length at most the width of the product.
- Reaction wood is allowed to the extent that the installation of the product does not become substantially more difficult due to its impact.
- Knot holes, heart strips, blue stains, discolouration, rot, insect damage or patches are not allowed in the product. Finger joints are permitted only if mentioned separately with the product
- The products include those with Maler EM quality class requirements.
- Bigger knots etc. characteristics are allowed on the inferior side of the product.
- 95% of the products must fulfil the quality requirements.

The product is manufactured from pine and due to its live material it contains, for example, knots.

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DECLARATION OF PERFORMANCE

VM/EM PINE PANEL

- 15 mm size solid knots, scars and wood barks are allowed in the product, at most two per metre and 10 mm size solid knots at most three per metre.
- One 8 mm knot crack is allowed per two metres in the edges of the visible flat side.
- Resin pockets are allowed to a limited extent, but not penetrating ones.
- Individual non-penetrating hairline cracks are allowed in the product.
Penetrating cracks are allowed only in the ends of the pieces, the length at most the width of the product.
- Reaction wood is allowed to the extent that the installation of the product does not become substantially more difficult due to its impact.
- Knot holes, heart strips, blue stains, discolouration, rot, insect damage or patches are not allowed in the product. Finger joints are permitted only if mentioned separately with the product
- The products include those with Maler EM quality class requirements.
- Bigger knots etc. characteristics are allowed on the inferior side of the product.
- 95% of the products must fulfil the quality requirements.

The product is manufactured from pine and due to its live material it contains, for example, knots.

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EN 14915:2006+ AC:2007	
Tongue and groove joint massive pine panel 93...190 mm x 10...14 mm	
Indoor wall and ceiling panel	
Density and thickness	420, 9...14/6...8
Fire performance	D-s2,d2
Release of formaldehyde	E1
Pentachlorophenol concentration	-
Permeability of water vapour	62
Absorption of noise	0.1 / 0.3
Thermal conductivity	0.116 W/m K
Other information:	www.maler.fi



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Quality to finishing

DECLARATION OF PERFORMANCE

US PINE MOLDING

- Knots are allowed in the product per one metre as follows:

Product width:	Knot size of the flat	Knot quantity/metre
70-115mm	20 mm	4 items
115-150mm	25 mm	4 items
150-225 mm	30 mm	4 items

Product thickness:	Edge knot size	Knot quantity/metre
15-19 mm 15 mm	2 items	
20-25 mm 20 mm	2 items	
26-30 mm 25 mm	2 items	

- If the knot size is under the max knot size, a greater knot quantity is allowed.
- Knots are not guaranteed to stay attached, some of the knots may come loose.
- Resin pockets whose max length is 50 mm are allowed.
- At most 0.5 mm wide hairline cracks, whose combined length is at most 15% of the length of the board, are allowed. Penetrating cracks are allowed only in the ends of the pieces, the length at most the width of the product.
- Form defects and reaction wood are allowed to the extent that fastening the product does not become substantially more difficult. Scars, wood barks, blue stains, discolouration, rot, insect damage, finger joints or patches are not allowed in the product.
- Bigger knots etc. characteristics are allowed on the inferior side of the product.
- 95% of the products must fulfil the quality requirements.

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Quality to finishing



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Tongue and groove joint massive pine panel
93...190 mm x 10...14 mm

Indoor wall and ceiling panel

Density and thickness 420, 9...14/6...8

Fire performance D-s2,d2

Release of formaldehyde E1

Pentachlorophenol concentration -

Permeability of water vapour 62

Absorption of noise 0.1 / 0.3

Thermal conductivity 0.116 W/m K

Other information: www.maler.fi

DECLARATION OF PERFORMANCE

MÉA PINE PANEL

- Knots, knot holes, scars, wood barks, heart strips, blue stains, rot or insect damage are not allowed in the product.
- 0.5 mm wide hairline cracks, whose combined length is at most 10% of the length of the blank, are allowed in the panel. Penetrating cracks are not allowed. A closed crack whose length is at most 15% of the width of the blank is allowed in the ends of the blank.
- Form defects are allowed in the product per one metre as follows:
 - Bow: max. 1 mm/1 m. max. 10 mm/6 m.
 - Crook: max 1 mm/1 m. max. 10 mm/6 m.
 - Twist: max. 1 mm/1 m. max. 10 mm/6 m.
 - Cupping: max. 2.5% of the width of the blank.
- Resin pockets, whose combined length is 50 mm at most per one metre, are allowed in the panel. The length of an individual resin pocket may be 30 mm at most and the width 3 mm at most. Penetrating resin pockets are not allowed.
- Finger cracks and patches are allowed. The finger patches, however, cannot be penetrating.
- Permitted measurement tolerances:
 - Thickness: <20 mm ± 0.5 mm; >20 mm ± 1.0 mm
 - Width: <100 mm ± 1.0 mm; >100 mm ± 2.0 mm
- 95% of the products must fulfil the quality requirements.

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Maler Oy Joutsentie 2, 84100 YLIVIESKA

13

DoP: 002DoP2013-07-01

EN 14915:2006+ AC:2007

Tongue and groove joint massive spruce
panel 95...120 mm x 14...15 mm

Indoor wall and ceiling panel

Density and thickness 380, 14...15/8

Fire performance D-s2,d2

Release of formaldehyde E1

Pentachlorophenol concentration -

Permeability of water vapour 58

Absorption of noise 0.1 / 0.3

Thermal conductivity 0.107 W/m K

Other information: www.maler.fi

DECLARATION OF PERFORMANCE

TK SPRUCE PANEL

- Solid fresh-coloured knots, whose size is at most $\frac{1}{3}$ of the width of the product, are allowed in the product. The horn and leaf branches can be one half of the width of the product.
- One 8 mm knot crack is allowed per two metres in the visible flat side. There are no limits on the back surface.
- Resin pockets are allowed to a limited extent, but not penetrating ones.
- Individual non-penetrating hairline cracks are allowed in the product. Penetrating cracks are allowed only in the ends of the pieces, the length at most the width of the product. A closed crack whose length is at most one half of the width of the product is allowed in the ends of the end-tongued product.
- Reaction wood is allowed to the extent that the installation of the product does not become substantially more difficult due to its impact.
- A heart strip is allowed, if its length is at most one half of the length of the product.
- Knot holes, scars and wood barks, blue stains, discolouration, rot, insect damage or patches are not allowed in the product. Finger joints are permitted only if mentioned separately with the product.
- 95% of the products must fulfil the quality requirements.

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Tongue and groove joint massive spruce
panel 95...120 mm x 14...15 mm

Indoor wall and ceiling panel

Density and thickness 380, 14...15/8

Fire performance D-s2,d2

Release of formaldehyde E1

Pentachlorophenol concentration -

Permeability of water vapour 58

Absorption of noise 0.1 / 0.3

Thermal conductivity 0.107 W/m K

Other information: www.maler.fi

DECLARATION OF PERFORMANCE

VK SPRUCE PANEL

- At most two 18 mm size and three 16 mm size knots per metre are allowed. The knots must be solid. A solid knot may be a healthy (fresh) or dead (dry) knot. Knots less than 10 mm are not calculated. Knots are not guaranteed to stay attached, some of the knots may come loose.
- One 8 mm knot crack is allowed per two metres in the visible flat side. There are no limits on the back surface.
- Resin pockets whose max length is 30 mm are allowed. At a maximum 2 resin pockets per one metre are allowed. Penetrating resin pockets are not allowed.
- At most 0.5mm wide hairline cracks, whose combined length is at most 15% of the length of the board, are allowed. Penetrating cracks are allowed only in the ends of the pieces, the length at most the width of the product. A closed crack whose length is at most one half of the width of the product is allowed in the ends of the end-tongued product.
- Reaction wood is allowed to the extent that the installation of the product does not become substantially more difficult due to its impact.
- A heart strip is allowed, if its length is at most $\frac{1}{3}$ of the length of the product.
- Knot holes, scars, wood barks, blue stains, discolouration, rot, insect damage, finger joints or patches are not allowed in the product.
- 95% of the products must fulfil the quality requirements.

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DECLARATION OF PERFORMANCE

FINGER-JOINTED EK SPRUCE PANEL

- At a maximum 12 mm size knots are allowed in the product. The knots must be solid. A solid knot may be a healthy (fresh) or dead (dry) knot. Knots are not guaranteed to stay attached, some of the knots may come loose.
- Knot cracks are allowed on the visible flat side. Finger joint cracks are allowed.
- Resin pockets whose max length is 20 mm and max width is 3 mm are allowed. Penetrating resin pockets are not allowed.
- At most 0.5 mm wide hairline cracks are allowed. Penetrating cracks are allowed only in the ends of the pieces, the length at most the width of the product. A closed crack whose length is at most one half of the width of the product is allowed in the ends of the end-tongued product.
- Reaction wood is allowed to the extent that the installation of the product does not become substantially more difficult due to its impact.
- A heart strip is allowed, if its length is at most $\frac{1}{3}$ of the length of the product.
- Knot holes, scars and wood barks, blue stains, discolouration, rot, insect damage or patches are not allowed in the product.
- Bigger knots etc. characteristics are allowed on the back side of the product.
- 95% of the products must fulfil the quality requirements.

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ART



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Tuhti
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