Dřevozpracující družstvo

1. 2. 2022

Technical Data Sheet – LUKAPROFIL – Spruce Cladding and Flooring boards

This technical data sheet specifies the properties of cladding boards and flooring boards according to EN 14519 and EN 13990. Classification characteristics are adopted from EN 13990.

Definition of Commercial Grades:

Commercial grade:	**A/B (US)**
Quality ratio [%]:	A : B : B sort = 30 : 40 : 30

Characteristic	Grade A	Grade B	Grade B sort
Knots	Allowed: Black pin knots up to ∅ 5 mm if not in clusters Sound tight knots up to 10% of width + 30 mm Dead knots and encased knots, long edge knots and unsound knots (not falling out) up to 10% of width + 15 mm Occasional small missing or damaged edge knots up to 20% of maximum permitted knot area provided coverage is not affected Wooden plugs of the same species up to the size of the largest permitted knot Not allowed: Loose knots, knot holes, rotten knots	Allowed: Black pin knots up to 5 mm Sound tight knots, dead knots, encased knots, long edge knots and loose knots up to 10% of width + 50 mm Occasional loose knots, knot holes and rotten knots up to 15 mm Wooden plugs of the same species	Allowed: Sound and partially intergrown knots Encased knots, black pin knots and unsound knots up to 10% of board width + 50 mm (in practice without size limitation) Individual split knots up to 40% of permitted size if coverage is not affected Occasional loose knots
Torn surface (areas damaged by machining)	Allowed: for knots up to 20% of the knot area in other places up to 20% of the maximum permissible knot area (one place per meter)	Allowed: on knots up to 40% of the knot area in other places up to 40% of the maximum permissible knot area	Allowed: without limitation
Reaction wood (compression wood)	Allowed: provided that the tongue and groove provide a tight fit along the entire length	Allowed: provided that the tongue and groove provide a tight fit along the entire length	Allowed: provided that the tongue and groove provide a tight fit along the entire length
Resin pockets	Allowed: Occasional up to 2 × 25 mm or equivalent area in mm² One resin pocket up to 3 × 40 mm or the same area in mm^2 for every 1.5 m of length	Allowed: up to 2 mm x 35 mm or the same area in mm^2 without limitation Three resin pockets up to 6 mm width and total length 150 mm or the same area in mm^2 for every 1.5 m of length	Allowed: • Up to 4 × 45 mm or the same area in mm^2 without limitation • Six resin pockets up to 6 mm width and total length 170 mm or the same area in mm^2 for every 1.5 m of length
Fissures	Allowed: Hairline cracks, end cracks no longer than the width of the board For boards with tongue and groove on the ends: isolated, no longer than ½ the width	Allowed: penetrating cracks on the face (max. 1 mm wide) up to 300 mm long, front cracks no longer than twice the width of the board rarely permitted for boards with profiled fronts	Allowed: intermittent cracks on the face, penetrating cracks on the face (max. 1 mm wide) up to 300 mm long, frontal cracks no longer than twice the width of the board

	Not allowed: penetrating oblique cracks and lateral cracks with the exception of front cracks, cracks penetrating from the face to the side, delaminating cracks, cracks that run along the entire length of the board on the reverse side	Not allowed: Delaminating cracks	Not allowed: Delaminating cracks
Pith	Allowed: at 1/5 of the length not wider than 5 mm	Allowed: without limitation	Allowed: without limitation
Colour differences (blue stain)	Face side – no color differences (coloring on the reverse is allowed)	Allowed: Slight colour changes such as red rings and blue stain (coloring on the reverse is allowed)	Allowed: Partial blue stain on face side Red streaks and brown discolouration occasionally up to max. 25% of face Reverse side without limitation
Fungal attack	Not allowed:	Not allowed: (except for coloring)	Not allowed: (except for coloring)
Insect damage	Not allowed:	Not allowed:	Allowed: Small isolated holes up to 10% of the face area
Wane	Allowed: on the reverse side, if the tongue and groove are not affected	Allowed: on the reverse side, if the tongue and groove are not affected, weakened to ¾ of the length	Allowed: on the reverse side, if the tongue and groove are not affected, weakened to ¾ of the length
Bark pockets	Allowed: Occasional up to 3 × 40 mm or equivalent area	Allowed: occasional	Allowed: occasional

Measurement of the listed characteristics must be carried out in accordance with EN 1310. Knots are measured using the general method specified in EN 1310, Article 4.1.1.

Moisture content of cladding boards complies with EN 14519.
Moisture content of flooring boards complies with EN 13990.

Complaint Conditions:
All boards must be inspected before installation or within 7 days of delivery, whichever occurs first. In the event of a complaint regarding moisture, dimensions or classification, sampling of the delivered goods shall be carried out in accordance with EN 14519 Annex C or EN 13990 Article 8, unless otherwise agreed by the parties.