

KARELIA PRODUCT DATA SHEET

PRODUCT DESCRIPTION

- 14mm, prefinished, engineered timber flooring (floating/glued down) – manufactured according to EN 13489

TECHNICAL PROPERTIES

- Length	2266 / 2000 / 1800mm		
- Width	188 / 138mm		
- Thickness	Approx. 14mm		
- Hardwood surface thickness	Approx. 3.5mm (± 0.5mm tolerance)		
- Middle layer thickness	Approx. 9mm (pine / spruce)		
- Bottom layer thickness	Approx. 2mm (spruce veneer)		
- Deviation of squareness	Max 0.2mm		
- Locking system	Profiloc, Licensed to Valinge's patent family, 2G-system or 5G-system		
- Height difference	Max 0.2mm		
- Moisture during first delivery	7.5 ±1% tolerance		
- Height difference (lipping)	Max 0.2mm		
- Hardness on Brinell Scale	European Oak	2.9 - 3.7	Merbau 4.1 - 4.9
	Ash	3.3 - 4.1	

SURFACE LAYER COATING SYSTEM

Lacquer: - Gloss standard coating 35° ±5°, Matt coating 12° ±5°
 - UV-hardened solvent free polyacrylate finish

Oil/Wax: - A durable, hardwax surface treatment using a synthetic wax

TEST / CLASSIFICATION RESULTS – LACQUER ONLY

<u>Test Description</u>	<u>Standard</u>	<u>Results</u>
Abrasion resistance (12/16)	ENV 13696 (12/16)	2200 – 2400
Scratch resistance (Erichsen)		No visible changes after 500 revs.
Adhesion (Cross cut)	EN ISO 2409	GT 0/5B
Adhesion (Stridsmann)		32.4 N (SC2)
Chemical resistance	EN 13442	5
Possibility to overcoat	Approved	
Durability	CTBA Classified 31	

BONDING – OIL/WAX ONLY

- E1-classified UF-resin (EN 717-1)

PACKAGING AND MARKING (EN 13489)

- One pack containing eight boards
- Pack weight approx. 16.6kg - 25kg, dependent on product
- Packs are covered with cardboard and shrink wrapped with PE-membrane
- Marking on the board back for tracing

SAFETY, QUALITY AND ADDITIONAL DATA

- Karelia holds the ISO 9001 Quality Management System Certificate
- All products meet the requirements of the Finnish M1-emission classification and the European E1 formaldehyde classification (EN 14342:2005) for construction materials:
 - Total emission of volatile organic compounds (TVOC) 0.0 <1.0 mg/m³
 - Emission of formaldehyde (ENV 717-1) < 0.001 mg/m³
- Reaction to Fire: Products meet requirements of class D_{fl}-s1 (EN 14342:2005 & EN 13501-1 part 1)
- Thermal Conductivity (EN 12664): 0,110 W/mK
- Pentachlorophenol Content (CEN/TR 14823): <5 ppm
- Slipperiness: DIN 51130:2004 Low Slip Potential (Contact QFL for WET ratings)
- Biological Durability (EN350-2): Class 1
- Harmonised Technical Specification: EN 14342: 2005 +A 2008
- CE marking: CE Group 513 (EN 14342:2005+A1 2008)

ENVIRONMENT

- Karelia-Upofloor Oy holds the ISO 14001 Environmental Management System Certificate
- PEFC CoC certificate (Chain-of-Custody) Certificate - PEFC Standard 2002:2013
- M1 / BREEAM NOR Certification