

### 2014 KARELIA MULTI-LAYER PRODUCT DATA SHEET - LACQUER

#### PRODUCT DESCRIPTION

14 mm, lacquer finish, parquet flooring (floating / glued down) – manufactured according to EN 13489

#### TECHNICAL PROPERTIES

Length 2400 / 2266 / 2100 / 2000 / 1126 mm

Width 200 / 188 / 138 mm

Thickness approx. 14 mm

Hardwood surface thickness approx. 3,5 mm ( $\pm 0,5$  mm)

Middle layer thickness approx. 9 mm (pine / spruce)

Bottom layer thickness approx 2 mm (spruce veneer)

Deviation of squareness max. 0,2 mm

Fixing system Profiloc, Licensed to Välinge's patent family, 2G- system

Height difference max. 0,2 mm

Moisture during first delivery  $7,5 \pm 1$  %

Height difference (lipping) max. 0,2 mm

Thermal conductivity 0,13W/mK

Hardness on Brinell Scale

Oak 2,9 - 3,7 Beech 2,7 - 4,0 Maple (European) 2,7 - 3,8 Walnut 2,8 - 3,5 Merbau 4,1 - 4,9

Maple (Canadian) 3,2 - 4,2 Ash 3,3 - 4,1 Birch 2,2 - 2,7 Cherry 3,0 - 3,2

#### SURFACE LAYER LACQUER COATING SYSTEM

Gloss standard coating  $35^\circ \pm 5^\circ$ , Matt coating  $12^\circ \pm 5^\circ$

UV-hardened solvent free polyacrylate finish

Test description Standard Results

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 over coating\* Approved

#### BONDING

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

#### PACKAGING AND MARKING (EN 13489)

One package including eight boards

Package weight approx. 25 kg

Packets are covered with cardboard and shrink double PE- membrane.

One pallet including 30 / 40 packs

Pallet weight approx. 790 kg

EAN (bar) code in the package end

Code marking on the board back for tracing

#### SAFETY AND QUALITY

Karelia - Upofloor Oy holds the ISO 9001 Quality Management System Certificate and 14001 Environmental Management Certificate

All multi-layer 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) 0,011 mg/m<sup>2</sup>h

Emission of formaldehyde (ENV 717-1) < 0,004 mg/m<sup>2</sup>h

Emission of ammonia NH<sub>3</sub> < 0,004 mg/m<sup>2</sup>h

Emission of carcinogenic compounds (IARC class 1) < 0,002 mg/m<sup>2</sup>h

Odour (smell) no odour

Products meet the requirements of class Dfl – s1 (EN 14342:2005 and EN 13501-1 part 1)

CE marking EN 14342:2005+A1 2008), see [www.kareliaupofloor.com](http://www.kareliaupofloor.com)

#### ENVIRONMENT

Karelia - Upofloor Oy holds the ISO 9001 Quality certificate and 14001 Environmental management system certificate.

PEFC CoC certificate (Chain-of-Custody) No. 86825-2010-AE-FIN-FINAS for raw materials and relevant PEFC-certificate.

PEFC Standard 2002:2010 and 2001:2008

M1 / BREEAM NOR