

Technical Data Summary: Silvan 19mm Engineered Hardwood Flooring

General:

- Oak Origin: Black Forest, Germany
- Fir Origin: Black Forest, Germany
- Exotic Species: Various
- Suitability: Corporate & Residential
- Warranty: Guarantee against delaminating of wood layers 25 years (if climatic circumstances are controlled/controlled).
- Grading of Timber: The woods are sorted to the growth and storage characteristics typical of each individual wood. We base these evaluations on the draft prEN 13629:1999.
 - *Rustic Grade*: As a rule, this follows the German industrial standards (DIN0 description 'rustic' with characteristics which, in part, are typical for the type of wood and its appearance. In extraordinary format sizes, it is not possible to avoid fluctuations in growth, colour, end splits or clear cut growth such as sap and heart wood, resin canals and knots. These attributes are professionally reworked and are not faults.
 - *Standard Grade*: As a rule, this is based on the description of 'natural' in the draft prEN 13629:1999, with the characteristics and appearance which has the greatest influence in creating the overall appearance of each individual wood. Low number of knots in relation to the type of wood and, depending on the type of wood, pale-dark contrasts. Additional minimal correction by hand of small fissures and knots which are common in the growth and character of the wood in question. Less splits, knots and virtually no sapwood.
 - *Harmony Grade*: Less knots, very less splits and virtually no sapwood.
 - *Harmony Grade Plus*: Very less small knots, nearly no splits and no sapwood.

Specification:

- Tongue and grooved on four sides
- Tolerance of manufacturing in width/length +/-0.5mm
- Two layers of genuine solid wood cross bonded to form an engineered board. Core layer manufactured pine/spruce fir sourced from the Black Forest foothill area.
- Three layers of genuine solid wood cross bonded to form an engineered board. Core layer (middle) and back plate manufactured pine/spruce fir sourced from the Black Forest foothill area.
- Micro bevel or round bevel of 0.6mm, 1.2mm or 2.4mm.
- Adhesive: The dispersion glue used as an adhesive on our multi-layer elements contains no gaseous substances and is free from solvents, Formaldehyde, Polychlorinated Biphenyl (PCB), Pentachlorophenol (PCP), Lindane, Asbestos or other dangerous substances which evaporate over a long time.

- Moisture content when leaving mill approximately 7%.
- Used European species labelled FSC or PEFC or are from a sustainable forestry.
- Brinell hardness of oak – 5.5-8mm wear layer 3.4-4.1 Janka scale: 1360 medium hardness.
- No pack size. Quantity based on m² amount required plus waste. Widths of boards: From 140mm-600mm fixed. Lengths: 1.2m-15m. (subject to availability)
- Thickness: 19mm-5.5mm wear layer.
- Manufacturing is in accordance with current EN regulations. Fire category EN13501 CFL-Si.
- Finish – Oil, various manufacturers – lacquered finishes can be requested. Silvan acknowledge that technical and safety information is required (Technical data and COSHH sheets can be provided), however, to prevent design infringement we reserve our right to withhold brand names.

Installation:

- Professional hardwood floor installer recommended

Installation Methods:

- Using appropriate adhesive (recommend LECOL PU 240) onto concrete or wooden sub floor bases.
- Nailing to wooden sub floor bases.

Maintenance/Humidity:

- Can be laid over under floor heating (recommended guidelines required)
- R-Value-0.16. This is a measure of the resistance of the flow of heat. Regular use of appropriate cleaning products for the finish and also to re-oil when required.
- Dimensional stable product. Wood is hygroscopic and is continuously active in balancing out the humidity levels within its environment both in the air and the ground. Important to maintain a constant humidity level throughout the whole year between 40-60% relative humidity (further information on request).