

MARCANTO VARIO



macht den Boden.



Oak Natur L



General information

Order number	L1802
Short description	Multi-layer parquet element (3-ply) in conformity with EN 13489 (type 4 country house appearance) with glueless connection profile for floating installation, also suitable for full-spread gluing.
Type of installation	floating installation full spread gluing
Range of application	Suitable for living spaces with a regular room climate with 40 to 60 % relative air humidity and between 16 and 24 ° C. Not suitable for damp locations and wet locations.

Subsurface	<p>In accordance with the standards, a dry, well prepared, stable subfloor with an evenness within the tolerances of DIN 18202, table 3, line 4 is required (for further Information, see "TI 110 Information Inspection Requirements en.pdf").</p> <p>The floorboards to be installed and the substrate must be sufficiently acclimatized, the inspection obligations of the subfloor must be fulfilled in accordance with DIN 18365 "Flooring works" or DIN 18356 "Laying of parquet flooring and wood block flooring" and ÖN B2236/B5236 or, depending on the country, the corresponding standards and requirements; the applicability of the subfloors needs to be determined, separation and expansion joints on site must be taken over, the distance between the edge of the room and the floor must be approximately 10 mm, the rules of the subject and the installation instruction must be observed.</p>	
Cleaning and care instructions	<p>Only use care and cleaning agents recommended by the manufacturer; maintenance cleaning depending on use and degree of contamination; clean while damp and in accordance with the care instructions enclosed with the product; avoid standing moisture and water</p>	
Dimensions	ISO 24342	2205,00 x 176,00
Total thickness	ISO 24346	13,00
Top layer	Oak	
Grading/décor	Alpin	See current classification folder. Classifications are free classes corresponding to EN 13489 4.4.2.2
Laying pattern	1-strip	
Wear layer	ca. 3,2 mm	For solid wood, the thickness of the top layer varies due to the structuring of the surface (deep brushing can decrease the thickness)
Bevelled edge	bevelled (4V)	
Surface	brushed	
Construction	3-ply	
Finish	Innovo NATUR oiled	The degree of gloss may vary depending on the wood type and the wood quality, especially for oiled surfaces
Core layer	ca. 7,5 mm	spruce strips
Counter act	ca. 2,0 mm	softwood
Locking system	powerFIX	
Edge profiling	Length profiling glueless angle locking profile tilo parkettFIX, Patent No. WO 2007/02/8560; cross profiling a birch insert for a glueless fold down locking system tilo powerFIX, Patent No. EP 1350904;	

Technical data

Resistance to castor chair	Only on polycarbonate mats with W type castors, not suitable otherwise	
Reaction to fire	Dfl - s1	EN 14342 Table 1
Formaldehyde	E1	EN 717-1
PCP (=pentachlor phenol)	free	CEN/TR 14823
Thermal resistance	0,092 (m ² K)/W	EN 12664
Slip resistance	USRV 76	CEN/TS 15676:2008
Gluing	white glue (PVAc) D3 without formaldehyde emission	
Differential swell and shrink dimensions	Width: 0,05 % per 1 % change in wood moisture Length: 0,03 % per 1 % change in wood moisture	
Brinell hardness	depending on the wood species „TI_005 Information_Brinellharten_von_Holz_en.pdf“	
Wood moisture content	7 +/- 2 % in process, acc. to EN 13489	

Content of delivery

Boards per package	6,00 pc
Packages per pallet	48 packs
Area per package	2,3280 m ²
Area per pallet	111,74 m ²
Weight per package	16,980 kg
Weight per pallet	815,04 kg

Further information

Environmental compatibility	recyclable; tested for harmful substances; declaration of performance (DoP) and CE marking; declaration of harmlessness; DiBt approval in accordance with AgBB test scheme - approval no.: Z-156.607-931; IBR award certificate under the AgBB scheme; TÜV PROFICERT-product Interior certificate Reg.no. 70 720 5623-1; Émissions dans l'air intérieur A; wood from sustainably managed forests - inquire about availability of FSC or PEFC
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Underfloor heating	<p>Prefinished floor panels are suitable for low temperature / warm water radiant heating systems. Prior to the installation the subfloor must be heated up in accordance with the standards (for further information, especially for installation over electric underfloor heating systems, see "TI_025_Richtlinien_Verlegung_auf_Fussbodenheizung_en.pdf"). The maximum temperature of the surface must not exceed 29 °C, even at the edges of the room and under carpets and furniture. The heating should be equipped with flow temperature regulation. Electric floor heating systems are only suitable with surface temperature control (gentle heating characteristic).</p> <p>During the heating period, excessive flow temperature or a low relative humidity can cause gaps between the floorboards.</p>
Floating installation	<p>A vapour barrier of 0.2 mm PE must be used as protection against substrate moisture and to achieve a smooth surface; impact sound insulation is required, use spot impact sound insulation only; for heavily used areas, see the information above; short end gluing should be used for oddly shaped surfaces or surfaces > 80 m², as well as surfaces under a heavy load (heavy furniture); max. installation area without expansion joints is approx. 80 m² (for rectangular areas), all-over gluing of the FIX connection or full-spread gluing are recommended in order to largely avoid occasional cracking noises that would otherwise be unavoidable.</p>
Full spread gluing	<p>For large-scale projects, request the readiness for installation and alignment recommendation from the adhesive manufacturer, the readiness for installation must be established.</p>
Adhesive recommendation	<p>Apply tilo Elastic EC 1 PLUS Hybrid-Adhesive for parquet floors, prefinished floor panels and rigid boards using the notched trowel recommended in the application instructions.</p>
Tools required	<p>installation wedges, tapping block, pull bar (we recommend the tilo installation set, order number Z1043), hammer, bracket, hand or electric saw (jigsaw, circular saw or chop saw).</p>
Areas subjected to heavy use	<p>Floating installation with short end gluing and spot underlay materials as well as increased flatness tolerance in accordance with DIN 18202 Table 3 Row 4 or full-spread gluing; damp cleaning and care; protective devices such as dirt traps, doormats, etc. must be used; use underlay (e.g. polycarbonate mats) underneath swivel chairs;</p>
Care	<p>For heavily used areas, the appropriate initial care must be carried out immediately after installation. In general, the surface must be refreshed in accordance with the level of use, flooring in areas with normal usage usually requires refresher care every 6 months; the product is refurbishable; the user is responsible for ensuring the continued suitability for use of an oiled surface through maintenance cleaning and refresher care. If the floor will be subjected to extreme partial use, re-oil before the layer applied in the factory has worn off.</p>
Guarantee	<p>30 years tilo quality guarantee</p>
Warning notice	<p>Store in a place that is protected from moisture, heat and direct sunlight</p>

This information is provided with the intention of offering you advice based on the best of our knowledge, on the basis of our trials, experiences, tests carried out, applicable standards and the rules of the trade. Should you require any additional information, our technical and commercial advisors will be happy to assist you. Always consult our advisors for advice before starting any large-scale projects. We assume no liability for any errors and reserve the right to carry out technical modifications.

Please visit www.tilo.com for further information and updates.

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