NOVO SPA

macht den Boden.

Oak Mandel

General information

Order number	R2003
Brief description	Rigid product according to EN 16511 with a solid polymer core (SPC), an adhesive-free interlocking system and different wear layer thicknesses
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, and moist rooms with temporary damp conditions up to 80 % relative humidity and occasional water splashes. Not suitable for wet locations such as shower cells or similar (permanently damp, permanently wet, standing wetness). It is particularly important to take into consideration the suitability of the subfloor for moist rooms. Anhydrite is conditionally suitable, wood materials are unsuitable.

Subsurface	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"). 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. The inspectionobligations 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 subfloor needs to be determined; it’s particularly important to take into consideration the suitability of the subfloor for moist rooms (the suitability of anhydrite is limited, wood materials are unsuitable). Separation and expansion joints on site must be taken over, the distance between the edge of the room and the floor must be approximately5 mm, the rules of the subject and the installation instruction must be observed.	
Cleaning and care instructions	Only use care and cleaning agents recommended by the manufacturer; maintenance cleaning depending on use and degreee of contamination; clean while damp and in accordance with the care instructions enclosed with the product; avoid standing moisture and water	
Dimensions	ISO 24337	1220,00 x 180,00
Total thickness	ISO 24337	5,30
Top layer	vinyl	suitable for use in damp locations
Grading/décor	wood design	
Laying pattern	1-strip	
Wear layer	0,3 mm	
Bevelled edge	unbevelled	
Surface	brushed	
Construction	5-layer	
Finish	Twist PLUS varnished	
Locking system	simpleFIX	
Edge profiling	Length profiling tiloFIX Angle System, cross profiling tilo simpleFix fold down	

Technical data

Classification/class of use	NKL 31	EN 16511
Residual indentation	≤ 0,20 mm	EN ISO 24343-1

Reaction to fire	Bfl-s1	EN ISO 9239-1, EN ISO 11925-2
Formaldehyde	E1	EN 717-1
PCP (=pentachlor phenol)	≤ 5 ppm	CEN/TR 14823
Thermal resistance	0,014 (m²K)/W	EN 12667
Slip resistance	DS	EN 13893
Assessment of static electrical propensity	antistatic floor	EN 1815
Dimensional stability after exposure to heat	≤ 0,25 %	ISO 23999
Colour fastness	≥ 6	ISO 105-B02
Window areas	Please note that in rooms with large windows in particular, changes in colour caused by UV light cannot be ruled out completely and are therefore product-specific. Shading may be necessary.	

Content of delivery

Boards per package	8,00 pc
Packages per pallet	65 packs
Area per package	1,7570 m2
Area per pallet	114,20 m2
Weight per package	18,560 kg
Weight per pallet	1206,4 kg

Further information

Environmental sustainability	declaration of performance (DoP) and CE marking; declaration of harmlessness; REACH Declaration; French regulation "Arrêtéétiquetage, Décret n° 2011-321 du 23 mars 2011" (A+); TÜV PROFiCERT-product Interior PREMIUM certificate Reg.no. 70 720 5623-3

Underfloor heating	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). During the heating period, excessive flow temperature or a low relative humidity can cause gaps between the floorboards.
Floating installation in dry areas	When using this product, we suggest installing appropriate impact sound insulation. We recommend tilo Neutra underlay mat. Underlay that is too soft must not be used. Please observe the mat installation guidelines.
Use in damp locations	In damp locations, full spread gluing is required. Comply with our installation guidelines "tilo simpleFIX-SPA-glued" in this case.
Full spread gluing	In order to smooth out any unevenness and maintain an evenly absorbent subsurface, smooth out pronounced roughness or remove sinter layers or sandy layers, the subsurface should be sanded and vacuumed or, if necessary, built up to a suitable thickness with the appropriate precoats and fillers. Please observe the instructions of the products required and of the relevant building material suppliers.
Adhesive recommendation	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.
Tools required	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).
Warning notice	Store in a place that is protected from moisture, heat and direct sunlight

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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