SKEMA®

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TECHNICAL DATA SHEET

SINTESY LINE: STAR.WOOD

CE
EN 14041:04/AC:2006

PHYSICAL AND CHEMICAL CHARACTERISTICS	STANDARD REFERENCE	VALUE CLASSIFICATION
Product type		Semi-rigid multilayer modular floor covering (MMF) with wood veener top layer
Layers		1) UV varnish (7 layers) 2) Oak veneer 1 mm 3) SPC (solid polymer core) 4) Underlay IXPE
Grade Classification OAK VENEER	EN 13489:2017	Free Class (see the characteristics in table 1)
Commercial Classification OAK VENEER		**Nature** **Rustic** according to the purchased product. (see the characteristics in table 1)
Element dimension		1218 x 165 mm 1900 x 190 mm
Dimensional tolerances (once delivered)	EN 16511:2014+A1:2019	In accordance with tolerance table 1
Total thickness	EN ISO 10582:2018 EN ISO 24346:2012	7 mm of which: 6 (± 0,25) mm floor + 1 mm of underlay
Weight per sqm		11,5 Kg./m² (+ 13% - 10%)
Joint		**PLS**
Border finish		Microbevel on the 4 sides.

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Locking strenght		LONGITUDINAL ≥ 2.5 kN/m TRANSVERSE ≥ 1.5 kN/m
Dimensional Stability due to variation of temperature 60°C / 6 h	EN ISO 23999:2012	Dimensional variations in % after exposure: length: ≤ 0,10% width: ≤ 0,02% Curling: ≤ 2,25 mm
Surface finishing (Matt)		5 ± 2 gloss
Micro scratch resistance	EN 16094:2021	method B table 1: MSR-B2
Impact resistance (Large ball)	EN 13329:2006+A1:2008	≥ 1600
Resistance to staining and chemical substances	EN 438-2:2016+A1:2018	Grade 5 No visible change
Effect of a castor chair	ISO 4918:2021	No visible changes or damage with soft standard castors (type w) after 25.000 cycles
Tensile strenght-perpendicular tot he plane oft he board	EN 319:1993	2,05 Mpa (mean value)
Residual indentation	EN ISO 24343-1:2012	≤ 0,15 mm

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Thickness swelling	ISO 24336:2005	≤ 2 %
Reference Declaration of Performance (DOP) Download: http://www.skema.eu/dop		**SINTESY STAR.WOOD:** DOP: RA-013
Reaction to fire	EN 14041:2004/AC:2006 – EN 13501-01:2007+A1:2009	Cfl -s1(1)
Formaldehyde	EN 14041:2004/AC:2006 EN 717-1:2004	CLASS E1
Contents of Pentachlorophenol	EN 14041:2004/AC:2006	< 5 ppm
Phthalate content	(DBP+BBP+DEHP) (DINP+DNOP+DIDP)	Compliant
Toxicity	(Pb, Sb,As,Ba,Cd,Cr,Hg,Se)	Compliant < 5 ppm for each chemicall
Slip resistance	EN 14041:2004/AC:2006 – EN 13893:2002	CLASS DS
Electrical behaviour (propensity to accumulation of static electricity)	EN 14041:2004/AC:2006 – EN 1815:2016	NPD (Not performance determined)
Thermal conductivity	EN 14041:2004/AC:2006 – EN 12667:2001	λ mean = 0,174 W/(m·K) (*2)

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Thermal resistance	EN 12667:2001 – ISO 8302:1991	R mean = 0,04 $m^2 \cdot K/W$ (*2)
Suitable for underfloor heating		YES (*3) T ≤ 27°C
Acoustic behaviour. Laboratory measurement of improvement of impact sound insulation	EN ISO 10140-3:2015 – UNI EN ISO 10140-1:2016 - EN 717-2:2013	ΔLw = 18 dB ca. (*4)
Max room surface without transition joint		12 x 12 m
Max gap allowed between ceramic tiles		≤ 10 mm

NOTES AND WARNINGS:

(*1) Laying on non-combustible building elements by the interposition of mattresses provided by Skema Srl following the indications specified in the technical and / or sale documentation and / or in the instructions contained in the packages.
(*2) The value of conductivity and thermal resistance indicated is referred only to the product including the underlay applied.
(*3) For the installation of the product with floor heating, follow the instructions given in specific documentation and / or contained in the packages.
(*4) Laboratory measurement method to determine of the reduction of the footfall noise/impact sound insulation (unique index ΔLw in the frequency band between 100 Hz and 5000 Hz) from a floor covering on a standard concrete floor when excited by a standard tapping machine (measurement irradiated noise in the receiving room). The uncertainty of measure for the data indicated is 2 dB.

Note: Specifications are subject to change without notice.

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TABLE 1 – FREE CLASS – TABLE B.1 EN 13489:2017

Features	Commercial Class Nature	Commercial Class Rustic
Sound sapwood	Minimal presence	Possible presence
Knots (live)	Minimal presence	Present
Knots (dead, hole)	Minimal presence	Present
Pin knots	Present	Present
Yellow stain	Possible presence	Possible presence
cheks	Not relevant	Present
Bark pockets	Absent	Minimal presence
Lightning shake	Possible presence	Possible presence
Curley grain	Minimal presence	Small presence
Slope grain	Present	Present
Sound heart	Not relevant	Not relevant
Colour variation	Minimal presence	Present
Stick marks	Minimal presence	Minimal presence
Medullary ray	Possible presence	Possible presence
Biodeterioration	Possible presence	Minimal presence
	Non-visible parts All features permitted without any limitation as to size or quantity if these do not impair the strength or wearing quality of the parquet flooring.	

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