


TECHNICAL DATA

CERAMIN SONO

Description	Standards	Sono Forest	Sono Landscape	Sono Skyline
Characteristics				
Type of floorcoverings	EN 16511	Semi-rigid, multilayer modular floor covering (MMF)	Semi-rigid, multilayer modular floor covering (MMF)	Semi-rigid, multilayer modular floor covering (MMF)
Surface layer	EN 16511	UV-Varnish	UV-Varnish	UV-Varnish
Surface sealing	EN 16511	Sealtec+	Sealtec+	Sealtec+
Core board	EN 16511	Ceramin-Board	Ceramin-Board	Ceramin-Board
Usage class	EN 16511	33	33	33
Total weight	ISO 23997	6,50 kg/m ²	6,50 kg/m ²	6,50 kg/m ²
Quantity per box	ISO 24340	9 pcs = 2,356 m ²	12 pcs = 2,373 m ²	7 pcs = 3,100 m ²
Colours		12	11	9
General Requirements				
Geometrical characteristics	ISO 24337	1290 x 203 mm	638 x 310 mm	1800 x 246 mm
Total thickness	ISO 24337	4,5 mm	4,5 mm	4,5 mm
Squareness	ISO 24337	max. ≤ 0,20 mm	max. ≤ 0,20 mm	max. ≤ 0,20 mm
Straightness	ISO 24337	max. ≤ 0,30 mm	max. ≤ 0,30 mm	max. ≤ 0,30 mm
Openings	ISO 24337	∅ ≤ 0,15 mm max. ≤ 0,20 mm	∅ ≤ 0,15 mm max. ≤ 0,20 mm	∅ ≤ 0,15 mm max. ≤ 0,20 mm
Height difference	ISO 24337	∅ ≤ 0,10 mm max. ≤ 0,15 mm	∅ ≤ 0,10 mm max. ≤ 0,15 mm	∅ ≤ 0,10 mm max. ≤ 0,15 mm
Classification Requirements				
Resistance to staining	EN 438	5 (group 1 and 2), 4 (group 3)	5 (group 1 and 2), 4 (group 3)	5 (group 1 and 2), 4 (group 3)
Thickness swelling	EN 24336	≤ 2 %	≤ 2 %	≤ 2 %
Movement of a furniture leg	EN 424	no damage with type 0	no damage with type 0	no damage with type 0
Castor chair resistance	EN 425	no damage with type W (25.000 cycles)	no damage with type W (25.000 cycles)	no damage with type W (25.000 cycles)
Micro-scratch resistance	EN 16094	≤ MSR - A2 ≤ MSR - B2	≤ MSR - A2 ≤ MSR - B2	≤ MSR - A2 ≤ MSR - B2
Impact resistance	ISO 24335	≥ 1600 mm	≥ 1600 mm	≥ 1600 mm
Wear resistance	EN 15468 method B	≥ 5000 U	≥ 5000 U	≥ 5000 U
Residual indentation	EN ISO 24343-1	max. ≤ 0,1 mm	max. ≤ 0,1 mm	max. ≤ 0,1 mm
Locking strength	ISO 24334	long side ≥ 1,0 kN/m short side ≥ 1,5 kN/m	long side ≥ 1,0 kN/m short side ≥ 1,5 kN/m	long side ≥ 1,0 kN/m short side ≥ 1,5 kN/m
Determination of dimensional stability and curling after exposure to heat	ISO 23999	Δl ≤ 0,25 %	Δl ≤ 0,25 %	Δl ≤ 0,25 %
Essential Characteristics				
Reaction to fire*	EN ISO 11925-2 EN ISO 9239-1	Bfl - S1	Bfl - S1	Bfl - S1
Slip resistance*	EN 13893 DIN 51130	DS R10	DS R10	DS R10
Electrical behavior (static electricity)	EN 1815	< 2,0 kV	< 2,0 kV	< 2,0 kV
Formaldehyde*	EN 717-1	E1	E1	E1
Thermal conductivity*	EN 12667	R ≤ 0,03 (m ² K)/W	R ≤ 0,03 (m ² K)/W	R ≤ 0,03 (m ² K)/W
reduction of transmitted impact noise with underlay "NEOlay"	EN ISO 101140-3	16 dB	16 dB	16 dB
Walking noise without underlay / with underlay "NEOlay"	IHD W431 for standard laminate	42%	42%	42%
TVOC emissions	ISO 16000-6	< 5 µg/m ³ after 28 days	< 5 µg/m ³ after 28 days	< 5 µg/m ³ after 28 days
Reach regulation		Contains no substance mentioned in the SHVC-list	Contains no substance mentioned in the SHVC-list	Contains no substance mentioned in the SHVC-list
PCP-Content	CEN/TR 14823	PCP free	PCP free	PCP free

Disposal: Private: with normal household waste / bulky waste possible | Commercial: European Waste Catalog: Waste code 17 02 03

We guarantee consistency of our decor colours under artificial light of type D50 (CIE D50, ANSI PH 2.30, ISO 3664) and D65 (CIE D65).

* basic attributes concerning health, safety and  EN14041:2004

