Technical data

noraplan®

	Test method	Requirements	Average test results from running production					
			uni 2.0 mm	**convia** 2.0 mm, **lona** 2.0 mm, **sentica** 2.0 mm, **signa** 2.0 mm, **stone** 2.0 mm	**unita** 2.0 mm	**ultra grip** 2.0 mm	**sentica** 3.0 mm, **signa** 3.0 mm	**sentica acoustic**, **signa acoustic**, **stone acoustic**
CE conformity	**EN 14041**		← **Manufacturer: nora systems GmbH, D-69469 Weinheim** →					
DoP-No.	EN 14041		0018	0016		0010	0016	0017
Thermal conductivity	EN 10456	λ = 0.17 W/(m·K)	← Fulfilled →					
Dynamic coefficient of friction	EN 13893	DS	← Fulfilled →					
Reaction to fire	EN 13501-1	Not bonded	B_{fl}-s1	B_{fl}-s1, bonded		C_{fl}-s1	B_{fl}-s1, bonded	C_{fl}-s1
Reaction to fire	EN 13501-1	Bonded on mineral subfloor	B_{fl}-s1	B_{fl}-s1		C_{fl}-s1	B_{fl}-s1	B_{fl}-s1
Properties acc. to EN 1817/EN 1816								
Thickness	EN ISO 24346	Mean value without foam backing ± 0.15 mm	2.0 mm	2.0 mm		2.0 mm	3.0 mm	–
		Mean value with foam backing ± 0.20 mm	–	–		–	–	4.0 mm
Dimensional stability	EN ISO 23999	± 0.4 %	← ± 0.2 % →			± 0.3 %	± 0.2 %	± 0.3 %
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) level ≥ 4 Procedure B (burning) level ≥ 3	← Fulfilled →					
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	← Fulfilled →		Not fulfilled	Fulfilled	–	Fulfilled
Hardness	ISO 48-4	≥ 75 Shore A	94 Shore A	92 Shore A		90 Shore A	92 Shore A	85 Shore A
Residual indentation	EN ISO 24343	Mean value ≤ 0.15 mm at thickness < 2.5 mm	0.03 mm	0.03 mm		0.05 mm	–	–
		Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm	–	–		–	0.03 mm	–
		acoustic: Mean value ≤ 0.25 mm	–	–		–	–	0.20 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm^3	130 mm^3	150 mm^3		90 mm^3	150 mm^3	130 mm^3
Colour fastness to artificial light	ISO 105-B02, procedure 3, test conditions 6.1 a)	At least level 6 on the blue scale; ≥ level 3 on the grey scale	← Grey scale ≥ level 3 acc. to ISO 105-A02 →					
Classification	EN ISO 10874	Commercial/Industrial	34/42	34/42		34/42	34/43	33/–
Additional technical properties								
Toxicity of fire gases	DIN 53436		← Carbonisation gases are non-toxic →					
Anti-slip properties	DIN EN 16165	According to DGUV 108-003	R 9	R 9 lona = R 10 signa Art. 1690/2690 = R 10 stone Art. 149/249 = R 10 unita = R 10		R 11	R 9	stone acoustic: R 10 Others: R 9
			–	stone Art. 149/249 + signa Art. 1690/2690: A; B		A; B; C	–	–
	BS 7976 TRRL Pendulum		–	–		36+ Wet & dry	–	–
	SATRA TM 144		–	–		Wet: > 0.6 Dry: > 0.45	–	–
Improvement in footfall sound absorption	ISO 10140-3		6 dB	6 dB		7 dB	8 dB	20 dB
Effect of chemicals	EN ISO 26987		← Resistant depending on concentration and time of exposure* →					
Electrical insulation properties	EN 1081 R1		> 10^9 Ohm	← > 10^{10} Ohm →		> 10^9 Ohm	> 10^{10} Ohm	> 10^9 Ohm
Electrical propensity when walked upon	EN 1815		← Antistatic, charging in case of rubber soles < 2 kV →					
Effect of a castor chair	EN ISO 4918		← Suitable if castor wheels, type W, according to EN 12529 are used →					
Underfloor heating	EN 1264-2		← Suitable, max. 35° C →					

* In case of increased impact of oils, greases, acids, alkalis and other aggressive chemicals please contact us.

EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floor coverings
EN 1816: Specification for homogeneous and heterogeneous smooth elastomer floor coverings with foam backing

Colour variations due to different production batches as well as technical alterations to improve the product have to be accepted.