

Technical data

noraplan® **valua**

	Test method	Requirements	Average test results from running production
CE conformity	EN 14 041		Manufacturer: nora systems GmbH, D-69469
DoP-No.	EN 14 041		0016
Dynamic coefficient of friction	EN 13 893	DS	Fulfilled
Reaction to fire	EN 13 501-1	Not bonded	B _r -s1 bonded
Reaction to fire	EN 13 501-1	Bonded on mineral subfloor	B _r -s1

Properties acc. to EN 1817

Thickness	EN ISO 24 346	Mean value without foam backing ± 0.15 mm with foam backing ± 0.20 mm	2,0 mm -
Dimensional stability	EN ISO 23 999	$\pm 0,4$ %	$\pm 0,3$ %
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) level ≥ 4 Procedure B (burning) level ≥ 3	Fulfilled
Flexibility	EN ISO 24 344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled
Hardness	ISO 7619	≥ 75 Shore A	92 Shore A
Residual indentation	EN ISO 24 343	Mean value ≤ 0.15 mm at thickness < 2.5 mm	0,05 mm
		Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm	-
		acoustic: Mean value ≤ 0.25 mm	-
Abrasion resistance	ISO 4649, procedure A	≤ 250 mm ³	150 mm ³
Colour fastness to artificial light	EN 20 105-B02, procedure 3, test conditions 6.1 a)	At least level 6 on the blue scale; \geq level 3 on the grey scale (= 350 MJ/m ²)	Grey scale \geq level 3 acc. to EN 20 105-A 02
Classification	EN ISO 10 874	Residential/Commercial/Industrial	23/34/42

Additional technical properties

Toxicity of fire gases	DIN 53 436		Carbonisation gases are non-toxic
Anti-slip properties	DIN 51 130	According to BGR 181	R 9
	DIN 51 097		
	BS7976 TRRL Pendulum		-
	SATRA TM 144		-
Improvement in footfall	ISO 10 140-3		6 dB
Effect of chemicals	EN ISO 26 987		Resistant depending on concentration and time of exposure*
Thermal conductivity	EN 12 667		0,61 W/mK, Suitable for underfloor heating
Electrical insulation properties	IEC 60 093, VDE 0303 T.30		$> 10^{10}$ Ohm
Electrical propensity	EN 1815		Antistatic, charging in case of rubber soles < 2 kV
Effect of a castor chair	EN 425		Suitable if castor wheels, type W, according to EN 12 529 are used

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

EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floor coverings

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