

# Technical data

**noraplan® uni**

	Test method	Requirements	Average test results from running production
<b>CE conformity</b>	<b>EN 14 041</b>		<b>Manufacturer: nora systems GmbH, D-69469 Weinheim</b>
Dynamic coefficient of friction	EN 13 893	DS	Fulfilled
Reaction to fire	EN 13 501-1	Not bonded	B <sub>fl</sub> -s1
Reaction to fire	EN 13 501-1	Bonded on mineral subfloor	B <sub>fl</sub> -s1
<b>Properties acc. to EN 1817 / EN 14 521</b>			
Thickness	EN 428	Mean value without foam backing ± 0.15 mm with foam backing ± 0.20 mm	2.0 mm -
Dimensional stability	EN 434	± 0.4 %	± 0.3 %
Cigarette-burn resistance	EN 1399	Procedure A (stuffed out) level ≥ 4 Procedure B (burning) level ≥ 3	Fulfilled
Flexibility	EN 435 Procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled
Hardness	ISO 7619	≥ 75 Shore A	94 Shore A
Residual indentation	EN 433	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 <sup>3</sup>	130 mm <sup>3</sup>
Colour fastness to artificial light	EN 20 105-B02 Procedure 3, test conditions 6.1 a)	At least level 6 on the blue scale; ≥ level 3 on the grey scale (= 350 MJ/m <sup>2</sup> )	Grey scale ≥ level 3 acc. to EN 20 105-A 02
Classification	EN 685	Residential / Commercial / Industrial	23/34/42
<b>Additional technical properties</b>			
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		-
	BS 7976 TRRL Pendulum		-
	SATRA TM 144		-
Improvement in footfall sound absorption	ISO 10140-3		6 dB
Effect of chemicals	EN 423		Resistant depending on concentration and time of exposure*
Thermal conductivity	DIN 52 612		0.54 W/mK, suitable for underfloor heating systems
Electrical insulation properties	IEC 60093, VDE 0303 T.30		> 10 <sup>10</sup> Ohm
Electrical propensity when walked upon	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 floorcoverings

EN 14 521: Specification for smooth rubber floorcoverings with or without foam backing with a decorative layer

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