Technical data

noraplan® signa, single-layered, surface: smooth

	Test method	Requirements	Average test results from running production
CE conformity	**EN 14041**		**Manufacturer: nora systems GmbH, D-69469 Weinheim**
DoP-No.	EN 14041		0016
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, bonded
Reaction to fire	EN 13501-1	Bonded on mineral subfloor	B_{fl}-s1

Properties acc. to EN 1817

Thickness	EN ISO 24346	Mean value ± 0.15 mm acc. to EN 1817	2.0 mm
Dimensional stability	EN ISO 23999	± 0.4 %	± 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 48-4	≥ 75 Shore A acc. to EN 1817	92 Shore A
Residual indentation	EN ISO 24343	Mean value ≤ 0.15 mm at thickness < 2.5 mm	0.03 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm^3	150 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

Additional technical properties

Toxicity of fire gases	DIN 53436		Carbonisation gases are non-toxic
Anti-slip properties	DIN EN 16165	Acc. to DGUV 108-003	R 9
Improvement in footfall sound absorption	ISO 10140-3		6 dB
Effect of chemicals	EN ISO 26987		Resistant depending on concentration and time of exposure*
Electrical insulation properties	EN 1081 R1		> 10^{10} 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, acc. to EN 12529, are used
Underfloor heating	EN 1264-2		Suitable, max. 35 C°

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

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

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

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