

Technical data

norament® 945 grano, surface: hammerblow

	Test method	Requirements	Average test results from running production
CE conformity	EN 14041		Manufacturer: nora systems GmbH, D-69469 Weinheim
DoP-No.	EN 14041		0030
Thermal conductivity	EN 10456	$\lambda = 0.17 \text{ W/(m}\cdot\text{K)}$	Fulfilled
Dynamic coefficient of friction	EN 13893	DS	Fulfilled
Reaction to fire	EN 13501-1	Not bonded	Bi-s1

Properties acc. to EN 1817

Thickness	EN ISO 24346	Single result $\pm 0.20 \text{ mm}$ acc. to EN 1817	22.0 mm
Dimensional stability	EN ISO 23999	$\pm 0.4 \%$	$\pm 0.2 \%$
Cigarette-burn resistance	EN 1399	Procedure A (stuffed out) \geq level 4 Procedure B (burning) \geq level 3	Fulfilled
Hardness	ISO 48-4	≥ 75 Shore A acc. to EN 1817	88 Shore A
Abrasion resistance at 5 N load	ISO 4649, procedure A	$\leq 250 \text{ mm}^3$	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; \geq level 3 on the grey scale	Grey scale \geq level 3 acc. to ISO 105-A02
Classification	EN ISO 10874	Commercial / Industrial	34 / 43

Additional technical properties

Bounce and rebound of bullets	VPAM ARG 2012	VPAM ARG 2012 edition 2 closed indoor shooting ranges for official and civil use, energy range 200 – 7000 J	Fulfilled
Anti-slip properties	DIN 51130	Acc. to BGR 181	R 10
Improvement in footfall sound absorption	ISO 10140-3		16 dB
Effect of chemicals	EN ISO 26987		Resistant depending on concentration and time of exposure*
Effect of a castor chair	EN ISO 4918		Suitable if castor wheels, type W, acc. to EN 12529, 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.

Notice: Due to the thickness and the two layers of the flooring there may be reductions of about 1 – 2 mm at the edge of the tiles. The function of norament® 945 grano will not be influenced by that. The tiles, which have to be installed or screwed together loosely, are lying on the underground completely. The overall visual impression of the installed and sealed flooring won't be significantly affected.