

	Test method	Requirements	Average test results from running production			
			noraplan®	noraplan®	noraplan®	norament®
			eco nTx** senfina nTx sigma nTx stone nTx** unita nTx** valua nTx** lona nTx**	uni nTx**	ultra grip nTx**	92% grano nTx 92% setra nTx 92% arago nTx
CE conformity	EN 14041		← Manufacturer: nora systems GmbH, D-69469 Weinheim →			
DoP-No.	EN 14041		0027	0028	0029	0031
Thermal conductivity	EN 10456	$\lambda = 0.17 \text{ W/(m·K)}$	← Fulfilled →			
Dynamic coefficient of friction	EN 13893	DS	← Fulfilled →			
Reaction to fire	EN 13501-1		C _s -s1, bonded	B _s -s1, bonded	C _s -s1, bonded	C _s -s1, bonded

Properties acc. to EN 1817

Thickness	EN ISO 24346	Mean value ± 0.15 mm according to EN 1817	2.1 mm or 3.1 mm**	2.1 mm	2.1 mm	3.6 mm
Dimensional stability	EN ISO 23999	± 0.4 %	← ± 0.3 % →			± 0.2 %
Cigarette-burn resistance	EN 1399	Procedure A (stuffed out) ≥ level 4 Procedure B (burning) ≥ level 3	← Fulfilled →			
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled (Exception: unita nTx)	← Fulfilled →		
Hardness	ISO 48-4	≥ 75 Shore A	92 Shore A	94 Shore A	90 Shore A	82 Shore A
Residual indentation	EN ISO 24343	noraplan® nTx: Mean value ≤ 0.15 mm at thickness < 2.5 mm Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm norament® nTx: Mean value ≤ 0.25 mm at thickness ≥ 3.0 mm Mean value ≤ 0.20 mm at thickness < 3.0 mm	0.05 mm	0.05 mm	0.07 mm	0.15 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm³	150 mm³	130 mm³	90 mm³	115 mm³
Colour fastness to artificial light	ISO 105-B02, procedure 3, test conditions 6.1 a)	At least 6 on the blue scale, ≥ 3 on the grey scale	← Grey scale ≥ 3 acc. to ISO 105-A02 →			

Additional technical properties

Weight	EN ISO 23997		2.1 mm: ~ 3.36 kg/m² 3.1 mm: ~ 5.08 kg/m²	~ 3.55 kg/m²	~ 3.30 kg/m²	~ 5.40 kg/m²
Tear strength	ISO 34-1, method B, procedure A		n. a.	n. a.	n. a.	35 kN/m
Slip resistance	DIN 51130		R 9* R 10* (reflection-breaking surface)	R 9*	R 11*	R 9* R 10* (arago nTx)
Improvement in footfall sound absorption	ISO 10140-3		2.1 mm: 4 dB 3.1 mm: 5 dB	3 dB	4 dB	8 dB
Effect of chemicals	EN ISO 26987	Depending on concentration and time of exposure	← Resistant ⁽⁴⁾ →			
Electrostatic behaviour when being walked on	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 12529 are used →			

Fire behaviour/smoke behaviour

Fulfills the requirements

Fire behaviour	EN 13501-1		C _s -s1, bonded	B _s -s1, bonded	C _s -s1, bonded	C _s -s1, bonded
	EN 45545	Hazard Level	HL1*	← n. a. →		
Fire behaviour	ASTM E-648 / ISO 9239-1	Federal Railroad Administration	Class 1 (≥ 0.50 W/cm²)*	← n. a. →		
Smoke density	ASTM E-662		After 1.5 minutes < 100, after 4 minutes < 200*	← n. a. →		
Toxicity of fire gases	DIN 53436		Carbonisation gases are non-toxic	-	-	Carbonisation gases are non-toxic

Adhesive characteristics

Description		← Pressure-sensitive hot melt adhesive →			
Density		← approx. 0.92 g/cm³ →			
Softening range	Kofler bench	← approx. 105 °C →			
Viscosity		← 45,000 mPas at 170 °C till 13,000 mPas at 190 °C →			
Solid body content		← 87 % →			
VOC		← 0 % →			

* Tested and certificated by an independent testing institute.

** Minimum quantities required.

⁽⁴⁾ 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

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