

Product information

noraplan[®] sentica nTx | noraplan[®] signa nTx | noraplan[®] unita nTx
noraplan[®] eco nTx | noraplan[®] stone nTx | noraplan[®] valua nTx | noraplan[®] iona nTx

nora[®] nTx is an installation system that simplifies installation. The installation system consists of nora[®] floorcoverings with an adhesive backing. The adhesive backing is covered by a film that may not be removed before installation. Dirt on the adhesive film prevents the adherency and the flooring cannot be installed any more. The material must be stored in a cool, dry environment protected from direct sunlight and installed within 12 months after production.

	Test method	Requirements	Average test results from running production
CE conformity	EN 14 041		Manufacturer: nora systems GmbH, D-69469 Weinheim
Dynamic coefficient of friction	EN 13 893	DS	Fulfilled
Reaction to fire	EN 13 501-1	C _{fl} -s1, bonded	Fulfilled
Thermal conductivity	EN 10 456	$\lambda = 0.17 \text{ W/(m}^2\text{K)}$	Fulfilled
DoP-No.	EN 14 041		0027

Technical data Properties acc. to EN 1817	Test method	Requirements	Average test results from continuous production
Thickness	EN ISO 24 346	Mean value $\pm 0.15 \text{ mm}$ according to EN 1817	2.1 mm or 3.1 mm
Dimensional stability	EN ISO 23 999	$\pm 0.4 \%$	$\pm 0.3 \%$
Cigarette-burn resistance	EN 1399	Procedure A (stubbled out) \geq level 4 Procedure B (burning) \geq level 3	Fulfilled
Flexibility	EN ISO 24 344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled (Exception: unita nTx)
Hardness	ISO 7619	$\geq 75 \text{ Shore A}$	92 Shore A
Residual indentation	EN ISO 24 343	Mean value ≤ 0.15 at thickness < 2.5 Mean value ≤ 0.20 at thickness ≥ 2.5	0.11 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	$\leq 250 \text{ mm}^3$	150 mm ³
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 (= 350 MJ /m ²)	Grey scale ≥ 3 acc. to ISO 105-A02

Additional technical data			
Weight	EN ISO 23 997		2.1 mm: ~ 3.36 kg/m ² 3.1 mm: ~ 5.08 kg/m ²
Tear strength	ISO 34-1, method B, procedure A		n.a.
Slip resistance	DIN 51 130		R 9* R 10* (reflection breaking surface)
Improvement in footfall sound absorption	ISO 10 140-3		2.1 mm: 3 dB 3.1 mm: 4 dB
Effect of chemicals	EN ISO 26 987	Depending on concentration and time of exposure	Resistant ^(A)
Electrostatic behaviour when being walked on	EN 1815		Antistatic, charging in case of rubber soles $< 2 \text{ kV}$
Effect of a castor chair	EN 425		Suitable if castor wheels, type W, according to EN 12 529 are used

Fire behaviour/smoke behaviour			
Fire behaviour	EN 13501-1	Fulfills the requirements	C _{fl} -s1
	EN 45 545		Hazard Level HL1*
Fire behaviour	ASTM E-648 / ISO 9239-1	Federal Railroad Administration	Class 1 ($\geq 0.50 \text{ W/cm}^2$)*
Smoke density	ASTM E-662		After 1.5 minutes < 100 , after 4 minutes < 200 *

Adhesive characteristics			
Description			Pressure-sensitive hot melt adhesive
Density			approx. 0.92 g/cm ³
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.

A) In case of increased impact of oils, greases, acids, alkalis and other aggressive chemicals as well as light oils and fuels - 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.

Standard measures: Rolls 1.22 m x 15 m (2.1 mm)
 1.22 m x 12 m (3.1 mm)