

	Test method	Requirements	Average test results from running production	
			noraplan®	norament®
			convia nTx** lona nTx** senitica nTx signa nTx stone nTx**	926 arago nTx 926 castello nTx 926 grano nTx 926 pado nTx** 926 satura nTx**
<b>CE conformity</b>	<b>EN 14041</b>		← Manufacturer: nora systems GmbH, D-69469 Weinheim →	
DoP-No.	EN 14041		0027	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 <sub>fl</sub> -s1, bonded	C <sub>fl</sub> -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**	3.6 mm
Dimensional stability	EN ISO 23999	± 0.4 %	± 0.3 %	± 0.2 %
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) ≥ level 4 Procedure B (burning) ≥ level 3	← Fulfilled →	
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	← Fulfilled →	
Hardness	ISO 48-4	≥ 75 Shore A	92 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	0.15 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm <sup>3</sup>	150 mm <sup>3</sup>	115 mm <sup>3</sup>
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 →	
Classification	EN ISO 10874	Commercial/Industrial	2.1 mm: 34/42 3.1 mm: 34/43	34/43

### Additional technical properties

Weight	EN ISO 23997		2.1 mm: ~ 3.36 kg/m <sup>2</sup> 3.1 mm: ~ 5.08 kg/m <sup>2</sup>	~ 5.40 kg/m <sup>2</sup>
Slip resistance	DIN EN 16165	According to DGVU 108-003	R 9* R 10* (reflection-breaking surface, lona nTx)	R 9* R 10* (arago nTx, castello nTx, grano nTx with cubic structure, pado nTx)
Improvement in footfall sound absorption	ISO 10140-3		2.1 mm: 4 dB 3.1 mm: 5 dB	8 dB
Effect of chemicals	EN ISO 26987	Depending on concentration and time of exposure	← Resistant <sup>(A)</sup> →	
Electrical insulation properties	EN 1081 R1		> 10 <sup>10</sup> Ohm	> 10 <sup>9</sup> Ohm
Electrostatic behaviour 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, according to EN 12529 are used →	

### Fire behaviour/smoke behaviour

		Fulfills the requirements		
Fire behaviour	EN 13501-1		C <sub>fl</sub> -s1, bonded	C <sub>fl</sub> -s1, bonded
	EN 45545	Hazard Level	HL1*	-
Fire behaviour	ASTM E-648 / ISO 9239-1	Federal Railroad Administration	Class 1 (≥ 0.50 W/cm <sup>2</sup> )*	-
Smoke density	ASTM E-662		After 1.5 minutes < 100, after 4 minutes < 200*	-
Toxicity of fire gases	DIN 53436		Carbonisation gases are non-toxic	Carbonisation gases are non-toxic

### Adhesive characteristics

Description		← Pressure-sensitive hot melt adhesive →	
Softening range		← approx. 122 - 134 °C →	
VOC		← 0 % →	

\* Tested and certificated by an independent testing institute.

\*\* Minimum quantities required.

<sup>A)</sup> 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.