

	Test method	Requirements	Average test results from running production
			norament®
			926 arago nTx 926 castello nTx 926 grano nTx 926 pado nTx** 926 satura nTx
CE conformity	EN 14041		Manufacturer: nora systems GmbH, D-69469 Weinheim
DoP-No.	EN 14041		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

Properties acc. to EN 1817

Thickness	EN ISO 24346	Mean value $\pm 0.15 \text{ mm}$ according to EN 1817	3.6 mm
Dimensional stability	EN ISO 23999	$\pm 0.4 \%$	$\pm 0.2 \%$
Cigarette-burn resistance	EN 1399	Procedure A (stubbled out) \geq level 4 Procedure B (burning) \geq level 3	Fulfilled
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled
Hardness	ISO 48-4	$\geq 75 \text{ Shore A}$	82 Shore A
Residual indentation	EN ISO 24343	norament® nTx: Mean value $\leq 0.25 \text{ mm}$ at thickness $\geq 3.0 \text{ mm}$ Mean value $\leq 0.20 \text{ mm}$ at thickness $< 3.0 \text{ mm}$	0.15 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	$\leq 250 \text{ mm}^3$	115 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	Grey scale ≥ 3 acc. to ISO 105-A02
Classification	EN ISO 10874	Commercial/Industrial	34/43

Additional technical properties

Weight	EN ISO 23997		$\sim 5.40 \text{ kg/m}^2$
Slip resistance	DIN EN 16165	According to DGUV 108-003	R 9+ R 10* (arago nTx, castello nTx, grano nTx with cubic structure, pado nTx)
	AS 4586-2013 AppA		P1 P2 arago
Improvement in footfall sound absorption	ISO 10140-3		8 dB
Effect of chemicals	EN ISO 26987	Depending on concentration and time of exposure	Resistant ^(A)
Electrical insulation properties	EN 1081 R1		$> 10^9 \text{ Ohm}$
Electrostatic behaviour when walked upon	EN 1815		Antistatic, charging in case of rubber soles $< 2 \text{ kV}$
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 _s -s1, bonded
	EN 45545	Hazard Level	-
Fire behaviour	ASTM E-648 / ISO 9239-1	Federal Railroad Administration	-
Smoke density	ASTM E-662		-
Toxicity of fire gases	DIN 53436		Carbonisation gases are non-toxic
Critical Radiant Flux	AS ISO 9239.1	$\geq 4.5 \text{ kW/m}^2$	$> 8.0 \text{ kW/m}^2$
Smoke Development Rate	AS ISO 9239.1	$< 750\%/min$	$< 550\%/min$

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.

^{A)} 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.