

Product Information

noraplan® (mix 913)

Designs: eco, sentica, signa, stone, valua, lona and unita

noraplan® (mix 913) are single-layered rubber floor coverings available in rolls and tiles (except of noraplan® unita) in the above-named designs. The designs **eco**, **sentica**, **signa** and **unita** have a smooth surface, **noraplan® stone** is available with smooth or reflection-breaking surface. The linear surface of **noraplan® valua** as well as the silk-matte, lightly structured surface of **noraplan® lona** complete the product range. The floor coverings are fire-resistant and free of PVC, other halogenated polymers and phthalate plasticizers.

Technical data Properties acc. to EN 1817	Test method	Requirements	Average test results from running production
Thickness	EN ISO 24346	Mean value ± 0.15 mm of nominal value	2.0 mm
Dimensional stability	EN ISO 23999	± 0.4 %	± 0.3 %
Cigarette-burn resistance	EN 1399	Procedure A (stuffed out) \geq level 4 Procedure B (burning) \geq level 3	Fulfilled
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled (Exception: unita)
Hardness	ISO 48-4	≥ 75 Shore A	92 Shore A
Residual indentation	EN ISO 24343	Mean value ≤ 0.15 mm	0.03 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	≤ 250 mm ³	150 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 ≥ 3 acc. to ISO 105-A02

Additional technical data

Weight	EN ISO 23997		~ 3.36 kg/m ²
Slip resistance	DIN 51130		R 9* R 10* (reflection-breaking surf.)
Improvement in footfall sound absorption	ISO 10140-3		6 dB
Effect of chemicals	EN ISO 26987		Resistant depending on concentration and time of exposure ^(A)
Electrostatic behaviour when being walked upon	EN 1815		Antistatic, charging < 2 kV

Fire behaviour / smoke behaviour

Fire behaviour	EN 13501-1		B _f -s1, bonded
	EN 45545	Hazard Level	HL1*
	DIN 5510-2		SF3*
	Directive 95/28/EG / FMVSS / CMVSS 302		Fulfilled*
	UIC 564-2/12		Class C*
	BS 476, part 7		Class 2 fulfilled*
	GOST 12.1.044-89 / VNPB-03		Fulfilled*
Fire behaviour	ASTM E-648 / ISO 9239-1		Class 1 (≥ 0.50 W/cm ²)*
Smoke density	ASTM E-662	Federal Railroad Administration	After 1.5 minutes < 100 , after 4 minutes < 200 *
Fire behaviour	NF F 16-101 (NF P 92-501)	NF F 16-101 for grid 5 / 8	M2 on M0 substrate, M3 on M3 substrate*
Smoke density / Smoke toxicity	NF F 16-101 (NF X 10-702 / X 70-100)		F3*
Smoke toxicity	Bombardier SMP 800-C		Fulfilled*
	DIN 53436		Carbonisation gases are non-toxic*
	ISO 5659-2	DIN 5510-2	FED ≤ 1 *
	BS 6853, Annex B		R ≤ 5 fulfilled*
Oxygen index	ISO 4589		~ 23 %

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

* Tested and certified by an independent testing institute.

^(A) In case of increased impact of oils, greases, acids, alkalis and other aggressive chemicals please contact us.

Standard measures: Rolls 1.22 m x 15 m // tiles 610 mm x 610 mm

Special measures: Delivery in another thickness, customized dimensions as well as in KITS upon request.

Custom-made designs and colors of **noraplan**[®] (**mix 913**) with smooth or reflection-breaking surface are subject to minimum order quantities.

Unless agreed otherwise, the sort statement PQC009 is applicable in its current version.

Further product information is available in the current assortment brochure or on www.nora-transportation.com.