



## Product Information

### noraplan® mobil (931)

Designs: **stone, eco, plus, effect and grip**

**noraplan® mobil (931)** are single-layer rubber floorcoverings for high performance with a smooth, sanded back. **noraplan® mobil (931)** was specially developed for application in railways to meet their specific requirements and is extremely fire-resistant and halogen-free.

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 mm of nominal value	3.0 mm
Dimensional stability	EN ISO 23 999	$\pm$ 0.4 %	$\pm$ 0,3 %
Cigarette-burn resistance	EN 1399	Procedure A (stubbed 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
Hardness	ISO 7619	$\geq$ 75 Shore A	85 Shore A
Residual indentation	EN ISO 24 343	Mean value $\leq$ 0.15 at thickness < 2.5 Mean value $\leq$ 0.20 at thickness $\geq$ 2.5	0.06 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	$\leq$ 250 mm <sup>3</sup>	130 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, $\geq$ 3 on the grey scale (= 350 MJ/m <sup>2</sup> )	Grey scale $\geq$ 3 acc. to ISO 105-A02
<b>Additional technical data</b>			
Weight	EN ISO 23 997		5 kg/m <sup>2</sup>
Tear strength	ISO 34-1, method B, procedure A		31 N/mm
Slip resistance	DIN 51 130		R 9* (smooth surface) R 10* (finely-structured surface)
Improvement in footfall sound absorption	ISO 10 140-3		6 dB
Effect of chemicals	EN ISO 26 987	Depending on concentration and time of exposure	Resistant <sup>(A)</sup>
Electrostatic behaviour when being walked on	EN 1815		Antistatic, charging in case of rubber soles < 2 kV
<b>Fire behaviour/smoke behaviour</b>		<b>Fulfils the requirements</b>	
Fire behaviour	CNTK / UIC-Codex 564-2/12		Class A*
	DIN 5510-2	Deutsche Bahn AG	SF3*
	GOST 12.1.044-89 / VNPB-03		Fulfilled*
	JRMA		Difficult to burn*
	UNE 23727		M2 on wood*
	UNI 8457 / UNI 9174	UNI 9177	Class 1A*
EN 45 545	Hazard Level	HL2*	
Fire behaviour	ASTM E-648 / ISO 9239-1	Federal Railroad Administration	Class 1 ( $\geq$ 0.50 W/cm <sup>2</sup> )*
Smoke density	ASTM E-662		After 1.5 minutes < 100, after 4 minutes < 200*
Fire behaviour	NF F 16-101 (NF P 92-501)	NF F 16-101 für Raster 5 / 8	M2 on M1 substrate*
Smoke density / Smoke toxicity	NF F 16-101 (NF X 10-702 / X 70-100)		F1*
Fire behaviour	BS 476, part 7	Vehicle cat. Ia acc. to BS 6853	Class 2 fulfilled*
Smoke density	BS 6853, Annex D.8.6		A <sub>0</sub> = $\leq$ 220 fulfilled*
Smoke toxicity	BS 6853, Annex B		R = $\leq$ 5 fulfilled*
Smoke toxicity	Bombardier SMP 800-C		Fulfilled*
	DIN 53 436		Carbonisation gases are non-toxic*
	ISO 5659-2	DIN 5510-2	FED $\leq$ 1*
Fire behaviour, sea going vessels (surface flammability)	IMO Res. MSC.307(88) – (F.T.P Code 2010) IMO Res. MSC.61(67)- (F.T.P. Code) part 2+part 5		Fulfilled* (glued with UZIN KR 430)
Smoke density and toxicity, sea going vessels			
Oxygen index	ISO 4589		~ 33%

#### Approvals

EU-Type Examination Certificate for use on board of sea going vessels in compliance with directive 2014/90/EU Certificate n° 124.101

\* Tested and certificated by an independent testing institute.

<sup>A)</sup> In case of increased impact of oils, greases, acids, alkalis and other aggressive chemicals as well as light oils and fuels - please contact us.

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

Special measures: Delivery in 3 mm thickness, in customized dimensions and in KITS upon request.

Custom-made designs and colours of **noraplan<sup>®</sup> mobil (931)** with smooth or finely-structured surface are subject to minimum order quantities.

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

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

Further product information is available on [www.nora-transportation.com](http://www.nora-transportation.com).