

## Product information

### noraplan<sup>®</sup> ultra grip mobil (931) Design with slip-resistant granite chips

**noraplan<sup>®</sup> ultra grip mobil (931)** is a single-layered rubber floor covering for high performance with increased slip resistance. **noraplan<sup>®</sup> ultra grip mobil (931)** has been especially developed for the use and the special requirements in rail vehicles. The floor covering is extremely fire-resistant and free of PVC, other halogenated polymers and phthalate plasticizers.

Technical data	Test method	Requirements	Average test results from running production
CE conformity	EN 14041		Manufacturer: nora systems GmbH D-69469 Weinheim
DoP-No.	EN 14041		0033
Thermal conductivity	EN 10456	$\lambda = 0.17 \text{ W/(m}\cdot\text{K)}$	Fulfilled
Dynamic coefficient of friction	EN 13893	DS	Fulfilled
Reaction to fire	EN 13501-1	Not bonded	B <sub>fl</sub> -s1

#### Properties acc. to EN 1817

Thickness	EN ISO 24346	Mean value $\pm 0.15$ mm of nominal value	2.0 mm 2.5 mm
Dimensional stability	EN ISO 23999	$\pm 0.4$ %	$\pm 0.3$ %
Cigarette-burn resistance	EN 1399	Procedure A (stubbed out) $\geq$ level 4 Procedure B (burning) $\geq$ level 3	Fulfilled
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled
Hardness	ISO 48-4	$\geq 75$ Shore A	85 Shore A
Residual indentation	EN ISO 24343	Mean value $\leq 0.15$ mm at thickness < 2.5 mm Mean value $\leq 0.20$ mm at thickness $\geq 2.5$ mm	0.05 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	$\leq 250 \text{ mm}^3$	130 mm <sup>3</sup>
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 $\geq 3$ acc. to ISO 105-A02

#### Additional technical data

Weight	EN ISO 23997		2.0 mm: $\sim 3.36 \text{ kg/m}^2$ 2.5 mm: $\sim 4.2 \text{ kg/m}^2$
Tear strength	ISO 34-1, method B, procedure A		31 kN/m
Slip resistance	DIN 51130		R 11*
	BS 7976, TRRL Pendulum		36+ Wet & dry
Improvement in footfall sound absorption	ISO 10140-3		6 dB
Effect of chemicals	EN ISO 26987		Resistant depending on concentration and time of exposure <sup>(A)</sup>
Electrostatic behaviour when being walked upon	EN 1815		Antistatic, charging < 2 kV

#### Fire behaviour / smoke behaviour

Fire behaviour	EN 45545	Hazard Level	HL2*
	DIN 5510-2		SF3*
Fire behaviour	BS 476, part 7	For vehicle cat. 1b acc. BS 6853	Class 2 fulfilled*
Smoke density	BS 6853, Annex D.8.6		$A_0 \leq 350^*$
Smoke toxicity	BS 6853, Annex B		$R \leq 5$ fulfilled*
Oxygen index	ISO 4589		$\sim 30$ %

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.

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

Standard measures: Rolls 1.20 m x 15 m

Special measures: Delivery in another thickness upon request.

Custom-made colors of **noraplan<sup>®</sup> ultra grip mobil (931)** 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](http://www.nora-transportation.com).