

# Technical data

**noraplan® Iona, single-layered, surface: silk-matte, slightly structured**



Carbon Neutral Floors™

|                                 | Test method     | Requirements                                | Average test results from running production                |
|---------------------------------|-----------------|---|---|
| <b>CE conformity</b>            | <b>EN 14041</b> |   | <b>Manufacturer:</b><br>nora systems GmbH, D-69469 Weinheim |
| DoP-No.                         | EN 14041        |   | 0016  |
| 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>f</sub> -s1, bonded                                  |
| Reaction to fire                | EN 13501-1      | Bonded on mineral subfloor                  | B <sub>f</sub> -s1  |

## Properties acc. to EN 1817

|                                     |  |  |   |
|-------------------------------------|--|--|---|
| Thickness                           | EN ISO 24346                                     | Mean value $\pm 0.15 \text{ mm}$ acc. to EN 1817                                 | 2.0 mm  |
| Dimensional stability               | EN ISO 23999                                     | $\pm 0.4 \%$   | $\pm 0.3 \%$                                  |
| Cigarette-burn resistance           | EN 1399  | Procedure A (stubbed out) $\geq$ level 4<br>Procedure B (burning) $\geq$ level 3 | Fulfilled                                     |
| Flexibility                         | EN ISO 24 344, procedure A                       | Mandrel diameter 20 mm, no fissuring   | Fulfilled                                     |
| Hardness                            | ISO 48-4   | $\geq 75 \text{ Shore A}$ acc. to EN 1817  | 92 Shore A                                    |
| Residual indentation                | EN ISO 24343                                     | Mean value $\leq 0.15 \text{ mm}$ at thickness $< 2.5 \text{ mm}$                | 0.03 mm                                       |
| Abrasion resistance at 5 N load     | ISO 4649, procedure A                            | $\leq 250 \text{ mm}^3$  | 150 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;<br>$\geq$ level 3 on the grey scale          | Grey scale $\geq$ level 3 acc. to ISO 105-A02 |
| Classification                      | EN ISO 10874                                     | Commercial / Industrial  | 34 / 42                                       |

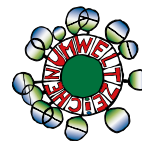
## Additional technical properties

|  |              |                      |   |
|--|--------------|----------------------|---|
| Toxicity of fire gases                   | DIN 53436    |                      | Carbonisation gases are non-toxic                             |
| Anti-slip properties                     | DIN EN 16165 | Acc. to DGUV 108-003 | R 10  |
| Improvement in footfall sound absorption | ISO 10140-3  |                      | 6 dB  |
| Effect of chemicals                      | EN ISO 26987 |                      | Resistant depending on concentration and time of exposure*    |
| Electrical insulation properties         | EN 1081 R1   |                      | $> 10^{10} \text{ Ohm}$                                       |
| Electrical propensity 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, acc. to EN 12529, are used |
| Underfloor heating                       | EN 1264-2    |                      | Suitable, max. $35 \text{ C}^\circ$                           |

\* In case of increased impact of oils, grease, 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.



**nora**  
by Interface®

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