### Technical data

**noraplan® signa, surface: smooth**

<table>
<thead>
<tr>
<th>Test method</th>
<th>Requirements</th>
<th>Average test results from running production</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE conformity</td>
<td>EN 14 041</td>
<td>0016</td>
</tr>
<tr>
<td>DoP-No.</td>
<td>EN 14 041</td>
<td></td>
</tr>
<tr>
<td>Thermal conductivity</td>
<td>EN 10 456 ( \lambda = 0.17 \text{W/(m*K)} )</td>
<td>Fulfilled Suitable for underfloor heating systems</td>
</tr>
<tr>
<td>Dynamic coefficient of friction</td>
<td>EN 13 893 DS</td>
<td>Fulfilled</td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>EN 13 501-1 Not bonded</td>
<td>Bonded on mineral subfloor B&lt;sub&gt;f&lt;/sub&gt;-s1, bonded</td>
</tr>
</tbody>
</table>

#### Properties acc. to EN 1817

- **Thickness**: EN ISO 24 346 Mean value ± 0.15 mm acc. to EN 1817 3.0 mm
- **Dimensional stability**: EN ISO 23 999 ± 0.3 %
- **Cigarette-burn resistance**: EN 1399 Procedure A (stubbed out) ≥ level 4 Procedure B (burning) ≥ level 3 Fulfilled
- **Flexibility**: EN ISO 24 344, procedure A Mandrel diameter 20 mm, no fissuring –
- **Hardness**: ISO 7619 ≥ 75 Shore A acc. to EN 1817 92 Shore A
- **Residual indentation**: EN ISO 24 343 Mean value ≤ 0.20 mm at thickness ≥ 2.5 mm 0.05 mm
- **Abrasion resistance at 5 N load**: ISO 4649, procedure A ≤ 250 mm³ 150 mm³
- **Colour fastness to artificial light**: ISO 105-B02, procedure 3, test conditions 6.1 a) At least level 6 on the blue scale; ≥ level 3 on the grey scale (< 350 MJ/m²) Grey scale ≥ level 3 acc. to ISO 105-A02
- **Classification**: EN ISO 10 874 Residential / Commercial / Industrial 23 / 34 / 43

#### Additional technical properties

- **Toxicity of fire gases**: DIN 53 436 Carbonisation gases are non-toxic
  - DIN 51 130 Acc. to BGR 181 R 9
  - DIN 51 087 –

- **Anti-slip properties**: BS 7976 TRRL Pendulum SATRA TM 144 –

- **Improvement in footfall sound absorption**: ISO 10 140-3 8 dB

- **Effect of chemicals**: EN ISO 26 887 Resistant depending on concentration and time of exposure *

- **Electrical insulation properties**: IEC 60 083, VDE 0033 T.30 > 10<sup>10</sup> Ohm

- **Electrical propensity when walked upon**: EN 1815 Antistatic, charging in case of rubber soles < 2 kV

- **Effect of a castor chair**: EN 425 Suitable if castor wheels, type W, acc. to EN 12 529, are used

* 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.