**Technical data**

**noraplan® valua, surface: linear**

<table>
<thead>
<tr>
<th>Test method</th>
<th>Requirements</th>
<th>Average test results from running production</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CE conformity</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DoP-No.</td>
<td>EN 14 041</td>
<td>0016</td>
</tr>
<tr>
<td><strong>Thermal conductivity</strong></td>
<td>EN 10 456</td>
<td>λ = 0.17 W/(m*K)</td>
</tr>
<tr>
<td><strong>Dynamic coefficient of friction</strong></td>
<td>EN 13 893</td>
<td>DS</td>
</tr>
<tr>
<td><strong>Reaction to fire</strong></td>
<td>EN 13 501-1</td>
<td>Not bonded</td>
</tr>
<tr>
<td><strong>Reaction to fire</strong></td>
<td>EN 13 501-1</td>
<td>Bonded on mineral subfloor</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
  - DIN 51 130
  - Acc. to BGR 181: R 9
- **Anti-slip properties**
  - DIN 51 087
  - 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:
  - > 10³ Ohm
- **Electrical insulation properties**
  - IEC 60 083, VDE 0303 T.30: > 10³ 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.

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

EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floor coverings