## Technical data

### norament® 975 LL, surface: relief structure

<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 14041</td>
<td>Manufacturer: nora systems GmbH, D-69469 Weinheim</td>
</tr>
<tr>
<td>DoP-No.</td>
<td>EN 14041</td>
<td>0024</td>
</tr>
<tr>
<td>Thermal conductivity</td>
<td>EN 10456</td>
<td>$\lambda = 0.17 \text{ W/(m·K)}$</td>
</tr>
<tr>
<td>Suitable for underfloor heating systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic coefficient of friction</td>
<td>EN 13893</td>
<td>DS</td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>EN 13501-1</td>
<td>Not bonded</td>
</tr>
</tbody>
</table>

### Properties acc. to EN 1817

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Requirement</th>
<th>Average value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>EN ISO 24346</td>
<td>Mean value $\pm 0.15 \text{ mm}$ acc. to EN 1817</td>
<td>3.5 mm</td>
</tr>
<tr>
<td>Dimensional stability</td>
<td>EN ISO 2399</td>
<td>$\pm 0.4 %$</td>
<td>$\pm 0.1 %$</td>
</tr>
<tr>
<td>Tear strength</td>
<td>ISO 34-1, method B, procedure A</td>
<td>Mean value $\geq 20 \text{ kN/m}$</td>
<td>40 kN/m</td>
</tr>
<tr>
<td>Cigarette-burn resistance</td>
<td>EN 1399</td>
<td>Procedure A (stubbed out) $\geq$ level 4 Procedure B (burning) $\geq$ level 3</td>
<td>Fulfilled</td>
</tr>
<tr>
<td>Flexibility</td>
<td>EN ISO 24344, procedure A</td>
<td>Mandrel diameter 20 mm, no fissuring</td>
<td>Fulfilled</td>
</tr>
<tr>
<td>Hardness</td>
<td>ISO 48-4</td>
<td>$\geq 75$ Shore A acc. to EN 1817</td>
<td>85 Shore A</td>
</tr>
<tr>
<td>Residual indentation</td>
<td>EN ISO 24343</td>
<td>Mean value $\leq 0.25 \text{ mm}$ at thickness $\geq 3 \text{.0 mm}$</td>
<td>0.07 mm</td>
</tr>
<tr>
<td>Abrasion resistance at 5 N load</td>
<td>ISO 4649, procedure A</td>
<td>$\leq 250 \text{ mm}^3$</td>
<td>150 mm$^3$</td>
</tr>
<tr>
<td>Colour fastness to artificial light</td>
<td>ISO 105-B02, procedure 3, test conditions 6.1 a)</td>
<td>At least level 6 on the blue scale; $\geq$ level 3 on the grey scale</td>
<td>Grey scale $\geq$ level 3 acc. to ISO 105-A02</td>
</tr>
<tr>
<td>Classification</td>
<td>EN ISO 10874</td>
<td>Commercial / Industrial</td>
<td>34 / 43</td>
</tr>
</tbody>
</table>

### Additional technical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Requirement</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-slip properties</td>
<td>DIN 51130</td>
<td>Acc. to BGR 181</td>
<td>R 10</td>
</tr>
<tr>
<td>Improvement in footfall sound absorption</td>
<td>ISO 10140-3</td>
<td></td>
<td>$8 \text{ dB}$</td>
</tr>
<tr>
<td>Effect of chemicals</td>
<td>EN ISO 26987</td>
<td>Resistant depending on concentration and time of exposure*</td>
<td></td>
</tr>
<tr>
<td>Electrical insulation properties</td>
<td>EN 1081 R1</td>
<td></td>
<td>$&gt; 10^9 \Omega$</td>
</tr>
<tr>
<td>Electrical propensity when walked upon</td>
<td>EN 1815</td>
<td>Antistatic, charging in case of rubber soles $&lt; 2 \text{ kV}$</td>
<td></td>
</tr>
<tr>
<td>Effect of a castor chair</td>
<td>EN 425</td>
<td>Suitable if castor wheels, type W, acc. to EN 12529, are used</td>
<td></td>
</tr>
</tbody>
</table>

* 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.