Rigidur flooring element 40 PS

- can be fitted with all common floor coverings
- can be used in residential rooms with moisture levels
- ecological certified and recommended
- easy and quick to prepare and lay
- no moisture means no need for drying time
- a complete system for a safe installation
- the lowest height in comparison with other types of screed
- proven system with regard to sound- and heat insulation
- low weight makes them well-suited on ceilings with low load-bearing capacities

The information in this publication is based on our current technical knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve the users of our products from the responsibility of carrying out their own inspections and tests, as they only represent general guidelines. They neither do imply any legally binding assurance of certain properties or of suitability for a particular application. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and regulations are observed. We reserve the right to modifications in the interests of technical advancement without prior notice.

Characteristics
The Rigidur Flooring Element consists of two factory-joined fibreboards with step rabbet and a laminated polystyrene insulation board. Rigidur Flooring Elements are undercoat-varnished by factory.

Application
The Rigidur Flooring Element PS is universally applicable as dry screed for reconstruction and renovation purposes, in old and new buildings and for special thermal protection needs in the office and administration area.

Installation
According to Rigidur installation guide.

Technical data

<table>
<thead>
<tr>
<th>Type</th>
<th>Nominal thickness</th>
<th>Width x Lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>fibreboards from reprocessing</td>
<td>40 [mm]</td>
<td>500 x 1500 [mm]</td>
</tr>
<tr>
<td>normally inflammable</td>
<td>2 x 10 GF + 20 PS</td>
<td></td>
</tr>
<tr>
<td>European Classification: E</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Edges

- step rabbet
to use in combination with Rigidur floor glue

Element joint
stepped joint of 50 mm

Nominal thickness
40 [mm]
2 x 10 GF + 20 PS [mm]

Width x Lengths
500 x 1500 [mm]
In case of cutting the elements please take care of the 2 fixing staples.

Dimensional tolerances

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Width</th>
<th>Length</th>
<th>Squarness: deviation per m width</th>
</tr>
</thead>
<tbody>
<tr>
<td>±1.0 [mm]</td>
<td>-2/+0 [mm]</td>
<td>-2/+0 [mm]</td>
<td>≤ 2.0 [mm/m]</td>
</tr>
</tbody>
</table>

recommending to DIN EN 15283-2

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Rigidur flooring element 40 PS

### On top side
The marking in longitudinal direction in black contains:
- RIGIDUR EE 40 PS
- CE-marking
- DIN EN 14190 fire resistance as per DIN EN 13051-1
- E
- Production date and -time

### Palette poster
Every pallet is signed by a palette poster with article-code. It contains:
- Rigidur Estrichelement 40 PS
- CE-marking
- dimensions
- weight
- elements per palette
- storage instructions

### Weight
| Weight per unit area | ca. 24.5 [kg/m²] | referring to DIN EN 15283-2 |

### Surface hardness
| Point load | ≤3.0 [kN] |

### Strengths
| Strengths | 35 [N/mm²] |

### Heat transfer resistance R
| Heat transfer resistance factor μ | as per DIN EN ISO 6506-1 |

### Heat
| Thermal dilatation | 0.015 [mm/(m x K)] |
| Heat transfer resistance R | 0.557 [(m² x K)/W] |
| Thermal threshold stress (long-term load) | max. 50 [°C] |
| Short-term load 60°C | |

### Humidity
| Vapour diffusion resistance factor μ | as per DIN EN ISO 12572 |
| Dilatation due to changing of relative humidity by 30% (20°C) | 0.045 [%] |
| Stable moisture content at 20°C, 65% relative humidity approx. | 1-1.3 [%] |

### Sign
The values given in this product data sheet solely describe the performance characteristics of the products. Rigips-Systems also have far-reaching structural-physical and static properties, which can be found in our system documentation (e.g. Planen und Bauen).

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