

## Rigidur flooring element 30 MW



- 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



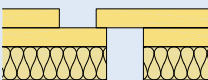
- no moisture means no need for drying time
- a complete system for a safe installation
- the lowest height in comparison with other types of screed



- proven system with regard to sound- and heat insulation
- low weight makes them well-suited on ceilings with low load-bearing capacities

|                        |   |
|------------------------|---|
| <b>Characteristics</b> | The Rigidur Flooring Element consists of two factory-joined fibreboards with step rabbet and a laminated mineral fibre soundinsulation-board. Rigidur Flooring Elements are undercoat-varnished by factory.               |
| <b>Application</b>     | The Rigidur Flooring Element MW is universally applicable as dry screed for reconstruction and renovation purposes, in old and new buildings and for special fire protection needs in the office and administration area. |
| <b>Installation</b>    | According to Rigidur installation guide.  |

### Technical data

|                     |  |   |             |   |
|---------------------|--|---|-------------|---|
| <b>Type</b>         | fibreboards from reprocessing                        | as per DIN EN 14190   |             |   |
|                     | non-combustible<br>European Classification: A2-s1,d0 | as per DIN EN 13501-1   |             |   |
| <b>Edge profile</b> | Edges  |  | step rabbet |   |
|                     | Element joint  | stepped joint of 50 mm  |             |   |
| <b>Dimensions</b>   | Nominal thickness                                    | 30  | [mm]        |   |
|                     |  | 2 x 10 GF + 1 x 10 MW   | [mm]        |   |
|                     | Width x Lengths                                      | 500 x 1500  | [mm]        | In case of cutting the elements please take care of the 2 fixing staples. |
|                     | Dimensional tolerances                               | Thickness   | ±1.0        | [mm]  |
|                     | Width  | -2/+0   | [mm]        | referring to<br>DIN EN 15283-2  |
|                     | Length   | -2/+0   | [mm]        |   |
|                     | Squareness:<br>deviation per m width                 | ≤ 2.0   | [mm/m]      |   |

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.

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| Rigidur flooring element 30 MW |   |   |                          |  |
|--------------------------------|---|---|--------------------------|--|
| Plasterboard marking           | On top side   | The marking in longitudinal direction in black contains:  |                          |  |
|                                |   | <ul style="list-style-type: none"> <li>- RIGIDUR EE 30 MW</li> <li>- CE-marking</li> <li>- DIN EN 14190 fire resistance as per DIN EN 13051-1</li> <li>- A2,s1-d0 (C.3)</li> <li>- Production date and -time</li> </ul> |                          |  |
|                                | Palette poster  | Every pallet is signed by a palette poster with article-code. It contains:  |                          |  |
|                                |   | <ul style="list-style-type: none"> <li>- Rigidur Estrichelement 30 MW</li> <li>- CE-marking</li> <li>- dimensions</li> <li>- weight</li> <li>- elements per palette</li> <li>- storage instructions</li> </ul>          |                          |  |
| Weight                         | Weight per unit area  | ca. 25.7  | [kg/m <sup>2</sup> ]     | referring to<br>DIN EN 15283-2                 |
| Strengths                      | Surface hardness  | 35  | [N/mm <sup>2</sup> ]     | as per DIN EN ISO<br>6506-1                    |
|                                | Point load  | ≤2.0  | [kN]                     | referring to<br>DIN EN 1991-1-<br>1/NA:2010-12 |
| Heat                           | Thermal dilatation  | 0.015   | [mm/(m x K)]             | referring to<br>DIN EN 318                     |
|                                | Heat transfer resistance R  | 0.307   | [(m <sup>2</sup> x K)/W] | as per DIN EN 12667                            |
|                                | Thermal threshold stress<br>(long-term load)  | max. 50   | [°C]                     | short-term load 60°C                           |
| Humidity                       | Vapour diffusion<br>resistance factor μ   | GF:19<br>MW: 1-2  | [-]                      | as per DIN EN ISO<br>12572                     |
|                                | Dilatation due to changing<br>of relative humidity by<br>30% (20°C)   | 0.045   | [%]                      | referring to<br>DIN EN 318                     |
|                                | Stable moisture content at<br>20°C, 65% relative<br>humidity approx.  | 1-1.3   | [%]                      | as per DIN EN 322                              |
| 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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