

# Rigidur Flooring Element 30 MW

## - lamination with mineral wool



**Product description:** Pre-primed gypsum fibreboards with rebate edges. Extremely hard and smooth surface with mineral wool lamination on the reverse.

**Area of application:** For the quick creation of dry floor screeds with fire and sound protection requirements, in new buildings and the renovation of old buildings.

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| Glatte Oberfläche   | Erhöhte Oberflächenhärte  | Trittschall-dämmung   | Nicht brennbar<br>A2-s1, d0   | Stufenfalz + Mineralwolle<br>SFZ/MW   | Elementdicke 30,0 mm<br>10,0 mm<br>10,0 mm<br>10,0 mm                               | Wetterfeste Lagerung  | Anwendung Innenraum   |

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.

## Technical specifications

| Parameters  | Sign        | Value                              | Unit              | Certification       |
|---|-------------|------------------------------------|-------------------|---------------------|
| <b>Material</b>                                   |             |                                    |                   |                     |
| Type of material                                  |             | gypsum fibre<br>mineral fibre      |                   |                     |
| <b>Typesetting</b>                                |             |                                    |                   |                     |
| Type  |             | Plasterboards from reprocessing    |                   | EN 14190            |
| <b>Building material class</b>                    |             |                                    |                   |                     |
| Fire behaviour                                    |             | A2-s1, d0                          |                   | EN 13501-1          |
| <b>Edges</b>                                      |             |                                    |                   |                     |
| Longitudinal edge                                 |             | SFZ_MW                             |                   |                     |
| Transverse edge                                   |             | SFZ_MW                             |                   |                     |
| Element joint                                     |             | Stufenfalz EE MW 30 & 35           |                   |                     |
| <b>Dimensions</b>                                 |             |                                    |                   |                     |
| Thickness   |             | 20.0                               |                   | EN 14190            |
| Structure   |             | 20 + 10                            |                   |                     |
| Width   | w           | 500                                | mm                |                     |
| Length  | l           | 1.500                              | mm                |                     |
| <b>Tolerances</b>                                 |             |                                    |                   |                     |
| Thickness   |             | ±1,0                               | mm                | EN 14190            |
| Width   |             | -2/+0                              | mm                |                     |
| Length  |             | -2/+0                              | mm                |                     |
| Perpendicularity:<br>deviation per meter of width |             | ≤ 2,0                              | mm/m              |                     |
| <b>Nominal Weight</b>                             |             |                                    |                   |                     |
| Surface-related mass                              |             | 25.7                               | kg/m <sup>2</sup> | DIN 18180           |
| <b>Characteristic strength values</b>             |             |                                    |                   |                     |
| Payload (point load)                              |             | 2.0                                | kN                |                     |
| Surface hardness - according to Brinell           |             | 35                                 |                   |                     |
| <b>Heat</b>                                       |             |                                    |                   |                     |
| Thermal conductivity                              | $\lambda_R$ | 0.35                               | W/(mK)            | EN ISO 10456        |
| thermal conductivity                              |             | 0.04                               |                   |                     |
| Thermal expansion                                 |             | 0.015                              |                   | referring to EN 318 |
| Limit load by heat<br>(long-term exposure)        |             | max. 50<br>(short term up to 60°C) | °C                | Gypsum data book    |

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.

| Parameters  | Sign | Value | Unit | Certification |
|---|------|-------|------|---------------|
| <b>Humidity</b>   |      |       |      |               |
| Equilibrium moisture at 20°C, 65% r.h. approx.          |      | 1-1.3 | %    | EN 322        |
| Humidity - shrinkage by humidity change from 65% to 30% |      | 0.38  |      |               |
| Humidity - swelling by humidity change from 65% to 85%  |      | 0.12  |      |               |
| Water vapour diffusion resistance factor                | μ    | 19    |      | EN ISO 12572  |
|   |      | 1     |      |               |

**Notes**

|                  |  |  |  |  |
|------------------|--|--|--|--|
| Storage          |  | Dry<br>Flat and level<br>Shady<br>Cool |  |  |
| Shelf Life       |  | Unlimited                              |  |  |
| Form of delivery |  | According to<br>Pricelist              |  |  |
| Waste key number |  | 17 09 04                               |  |  |

The values listed in this product data sheet only reflect the performance characteristics of the products. In addition, gypsum plaster systems have structural and structural properties, which can be found in our system documentation (e. g. Planen und Bauen).

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.