

Rigips Die Blaue RB 12,5



- sound protection values up to 76 dB
- improvement of sound protection – up to 3 dB higher values than usual market levels



- easy to identify because of the blue cardboard



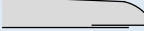


- agreeable inside air humidity
- recommended by the IBR Rosenheim



- cost-effective due to short construction time
- no long drying times

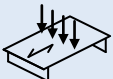
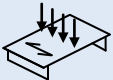
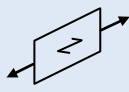
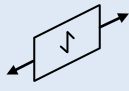
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|------------------------|--|
| Characteristics | Rigips Die Blaue RB (plasterboards) are made of a special gypsum core encased in cardboard. Rigips Die Blaue RB is especially recommended for using in sound protection constructions. |
| Application | Rigips Die Blaue RB (plasterboards) are an ideal solution to build up drywalls, installation walls, suspended ceilings, sloping ceilings and many other applications. |
| Installation | According to the Rigips application guidance |

Technical data

| | | | | | |
|--------------------------------------|---|---|--------|--|-----|
| Type | Gypsum plasterboard type D | as per DIN EN 520 | | | |
| | Gypsum plasterboard GKB | as per DIN 18180 | | | |
| Edge profile | Longitudinal edges |  | Vario | | |
| | Designed for filling of joints with Rigips VARIO joint filler, either with or without reinforcing strips. | | | | |
| Dimensions | Transverse edges |  | SK |  | SKF |
| | Nominal thickness | 12.5 | [mm] | | |
| Dimensions | Width x Lengths | For possible dimensions please consult our delivery programme. Special lengths (intermediate sizes, overlength) and sheet cutting possible - delivery time on request. | | | |
| | Dimensional tolerances | Thickness | ±0.5 | [mm] | |
| | | Width | +0/-4 | [mm] | |
| Length | | +0/-5 | [mm] | | |
| Squareness: deviation per m width | | ≤ 2.5 | [mm/m] | | |
| as per DIN EN 520 | | | | | |

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.

Rigips Die Blaue RB 12,5

| Rigips Die Blaue RB 12,5 | | | | | |
|--|---|---|---|---|---------------------------------------|
| Plasterboard marking | On rear side | The marking in longitudinal direction in blue contains: - RIGIPS Bauplatte RB !!! DIE BLAUE !!! - CE-symbol - DIN EN 520: type D - DIN 18180: GKB - A2-s1, d0 (B) - Production date and/or shift number | | | |
| | On front side | To ease installation, the board centre is marked with the letters BB which are 3-5mm high and located at a distance of about 250 mm (screw spacing) from each other. The position tolerance of the marking from the board centre is ± 2 cm max. | | | |
| | Edge marking | „RIGIPS VARIO 12,5 !!! DIE BLAUE RB !!!“ at the longitudinal edge in blue | | | |
| Weight | Weight per unit area | ≥ 10 | [kg/m ²] | as per DIN 18180 | |
| | Apperent density | ≥ 800 | [kg/m ³] | as per DIN EN 520 | |
| Strengths | Breaking load | \perp perpendicular to direction of manufacture in longitudinal direction of the board | |  | as per DIN EN 520 as per DIN 18180 |
| | | ≥ 610 | \perp [N] | | |
| | ≥ 210 | \parallel [N] | | | |
| | \parallel parallel to direction of manufacture in transverse direction of the board | |  | as per DIN EN 520 as per DIN 18180 | |
| | Bending tensile strength | ≥ 6.8 | \perp [N/mm ²] | | |
| | | ≥ 2.4 | \parallel [N/mm ²] | | |
| | Modulus of elasticity | ≥ 2800 | \perp [N/mm ²] | | as per DIN 18180 |
| | ≥ 2200 | \parallel [N/mm ²] | | as per DIN 18180 | |
| Compressive strength vertical to the surface | 5-10 | [N/mm ²] | | | |
| Tensile strength | 1.8-2.5 | [N/mm ²] | |  | |
| | 1.0-1.2 | [N/mm ²] | |  | |
| Shear strength | NPD | [N] | connection between board and substructure | as per DIN EN 520 | |
| Shear strength | 3.0-4.5 | [N/mm ²] | vertical to surface | | |
| | 2.5-4.0 | [N/mm ²] | parallel to surface | | |

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|----------|---|----------------------|--------------|----------------------|
| Heat | Thermal conductivity λ_R | 0.25 | [W/(m x K)] | as per DIN EN 520 |
| | Thermal expansion coefficient at 60% RH | 0.013-0.020 | [mm/(m x K)] | |
| | Thermal threshold stress (long-term load) | max. 50 | [°C] | short-term load 60°C |
| Humidity | Vapour diffusion resistance factor μ | dry 10 wet 4 | [-] [-] | as per DIN EN 520 |
| | Diffusion equivalent air layer thickness s_d | dry 0.13 wet 0.05 | [m] [m] | as per DIN 4108 |
| | Dilatation due to changing of relative humidity by 30% (20°C) | 0.015 | [%] | |
| 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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