# Rigitone Air Lochplatte (perforated plasterboard)

Rigitone is a synonym for a wide range of high-quality perforated boards with acoustic absorption characteristics made from the environmentally compatible material gypsum.
Thanks to the new air cleaning power, Rigitone Air helps improve indoor air quality.
Rigitone Air ceiling boards are mounted in a jointless ceiling system and thus offer a monolithic and architecturally pleasing appearance.

Rigiton Air
Neu mit Luftreinigungs-Kraft

Rigitone Air boards are available with an acoustic tissue in black or white.

**Available patterns of perforation:**
6/18; 8/18; 10/23; 12/25; 15/30; 8-12/50; 12-20/66; 8/18 Q, 12/25 Q; 8-15-20; 8-15-20 super; 12-20-35

**Application:**
Rigitone Air is applied wherever a jointless ceiling design and the improvement of room acoustic properties are required.

**Installation:**
As per Rigips installation guidelines and as per DIN 18168 and 18181.

## Technical Data

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|---|---|---|
| **Proof** | **as per EN 14190** | **Plasterboards from reprocessing** |
| **Classification** | **as per EN 13501-1** | **A2-s1,d0 (C.4) non-combustible as per Building Regulations List A Part 1, Annex 0.2.2** |

| | | | |
|---|---|---|---|
| **Edge profiles** | **Sharp-edged on four sides.** | **designed for filling of joints with Rigips VARIO joint filler, or for gluing with jointing compound 63** |  SK |





Rigips SAINT-GOBAIN

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|---|---|---|
| Plasterboard marking | Edge marking | Laying technique: with filling or gluing joint, order no. , dimension, manufacturing date<br>One board side is marked with a chalk line and thereby indicates the laying direction. |
| | Pallet label | The marking on the pallet label contains:<br><br>• Laying technique: with filling or gluing joint<br>• order no.<br>• dimension<br>• manufacturing date<br>• CE-marking<br>• A2-s1,d0 (C.4) |

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|---|---|---|---|---|---|
| Dimensions | Nominal thickness | | 12,5 | | [mm] |
| | Width | | ca. 1.200 | (depends upon perforation) | [mm] |
| | Length | | ca. 2.000 | (depends upon perforation) | [mm] |
| | Dimensional tolerances | | Thickness<br>Width<br>Length<br>Squareness | ±0,5<br>±1<br>+1/-1,5<br><1 (dimensional deviation from diagonal) | [mm] |

| | | | | | |
|---|---|---|---|---|---|
| Weight | Apparent density | | ca. 600 - 800 | (depends upon perforation) | [kg/m$^3$] |
| | Weight per unit area m´ | | ca. 8 - 10 | (depends upon perforation) | [kg/m²] |

| | | | | |
|---|---|---|---|---|
| Strength | Surface hardness | as per Brinell | ca. 10 - 18 | [N/mm²] |

| | | | | |
|---|---|---|---|---|
| Heat | Specific heat capacity c | at 20 °C | 0,96 | [kJ/(kg*K)] |
| | Thermal expansion coefficient | at 60% RH. | ca. 0,013 - 0,020 | [mm/(m*K)] |

| | | | | | |
|---|---|---|---|---|---|
| Humidity | Moisture absorption / equilibrium moisture content (depending on room climate) | at 20°C | 40% RH:<br>60% RH:<br>80% RH: | 0,3 - 0,6<br>0,6 - 1,0<br>1,0 - 2,0 | [% by weight] |
| | Hygroexpansivity for a 30% change in RH | at 20°C | 0,015 | | [%] |

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| | | | | |
|---|---|---|---|---|
| Other | Crystalline bonded water inside gypsum core | | ca. 16 - 20 | [%] |
| | Thermal threshold stress (long-term load) | | max. 50 | [°C] |
| | Alkalinity (pH value) | | 6 - 9 | [ — ] |