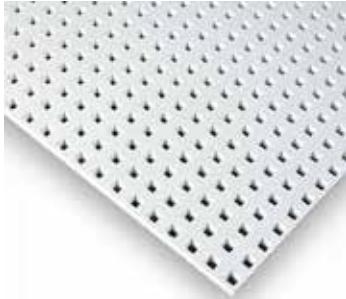


Product data sheet

Rigitone Activ'Air 12/25 Q - regular square perforation



Product description: Perforated plasterboard according to DIN EN 14190 with Activ'Air premium air cleaning effect and acoustic tissue laminated on backside. With the pre-sanded and primed edges Rigitone boards are ready to install.

Technical specifications

| Parameters | Sign | Value | Unit | Certification |
|---------------------------------------------------|------|---------------------------------|------|---------------|
| Material | | | | |
| Type of material | | gypsum plasterboard | | |
| Typesetting | | | | |
| Type | | Plasterboards from reprocessing | | EN 520 |
| Building material class | | | | |
| Fire behaviour | | A2-s1, d0 | | EN 13501-1 |
| Edges | | | | |
| Longitudinal edge | | SKF | | |
| Transverse edge | | SKF | | |
| Dimensions | | | | |
| Thickness | t | 12.5 | mm | EN 520 |
| Width | w | 1200 | mm | EN 520 |
| Length | l | 2000 | mm | EN 520 |
| Tolerances | | | | |
| Thickness | | ±0.3 | mm | EN 520 |
| Width | | ±1.0 | mm | EN 520 |
| Length | | +1.0/-1.5 | mm | EN 520 |
| Perpendicularity: deviation per meter of width | | ≤ 1.0 | mm/m | EN 520 |

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| Parameters | Sign | Value | Unit | Certification |
|-----------------------------------------------------------------------------|--------------------------|-------------------------------|-------------------|------------------|
| Heat | | | | |
| Thermal conductivity | λ_{Board} | 0.25 | W/(m·K) | EN ISO 10456 |
| Coefficient of thermal expansion at 60% relative humidity approx. | | 0.013-0.020 | mm/(m·K) | Gypsum data book |
| Limit load by heat (long-term exposure) | | max. 50 (short-term up to 60) | °C | Gypsum data book |
| Humidity | | | | |
| Dimensional stability (perforated boards) | | up to max. 70% rel. humidity | % | |
| Dimensional stability (unperforated boards) | | up to max. 80% rel. humidity | % | |
| Moisture expansion when the RH changes by 30% (20°C) | | 0.015 | % | EN 318 |
| Acoustics | | | | |
| Perforation | | Regular square | | |
| Perforated panel type | | 12/25 Q | | |
| Perforated area percentage | | 23 | % | |
| Joint technology | | filler | | |
| Acoustic tissue Colour | | black / white | | |
| Acoustic tissue Weight | | 50 | g/m ² | |
| Bending radii | | | | |
| dry / concave | ≥ | 3000 | mm | |
| dry / convex | ≥ | 3000 | mm | |
| wetted / concave | ≥ | 2000 | mm | |
| wetted / convex | ≥ | 2000 | mm | |
| Loads | | | | |
| Ceiling Load | ≤ | 3 | kg/m ² | |
| Activ'Air - Long-term reduction of formaldehyde concentration | | | | |
| Absorption with Ceilings Ratio 0.4 m ² /m ³ | CH ₂ O | 60 | % | ISO 16000-23 |
| Absorption with Walls Ratio 1.0 m ² /m ³ | CH ₂ O | 70 | % | ISO 16000-23 |
| Absorption with Ceilings and Walls Ratio 1.2 m ² /m ³ | CH ₂ O | 80 | % | ISO 16000-23 |

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Product data sheet

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| Parameters | Sign | Value | Unit | Certification |
|-------------------------|------|----------------------------------------------|------|---------------|
| Notes | | | | |
| Storage | | Dry Flat and level Shady Air access | | |
| Shelf Life | | Unlimited | | |
| Form of delivery | | According to Pricelist | | |
| Waste key number | | 17 08 02 | | |

| Height | Wool | practical sound absorption coefficient α_p | | | | | | | α_w | Claas | SAA | NRC |
|--------|------|---------------------------------------------------|------|--------|--------|--------|----------|-----------|------------|-------|------|-----|
| | | [mm] | [mm] | 125 Hz | 250 Hz | 500 Hz | 1.000 Hz | 2.000 Hz | | | | |
| 30 | 30 | 0.20 | 0.55 | 0.80 | 0.95 | 0.90 | 0.80 | 0.80 | B | 0.80 | 0.80 | |
| 50 | 50 | 0.35 | 0.75 | 0.90 | 0.90 | 0.80 | 0.80 | 0.90 | A | 0.85 | 0.85 | |
| 200 | 50 | 0.70 | 0.85 | 0.85 | 0.90 | 0.85 | 0.90 | 0.90 | A | 0.85 | 0.85 | |
| 200 | | 0.35 | 0.75 | 0.90 | 0.70 | 0.65 | 0.50 | 0.65 (LM) | C | 0.75 | 0.75 | |
| 400 | 50 | 0.70 | 0.75 | 0.80 | 0.95 | 0.90 | 0.95 | 0.90 | A | 0.85 | 0.85 | |

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).

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