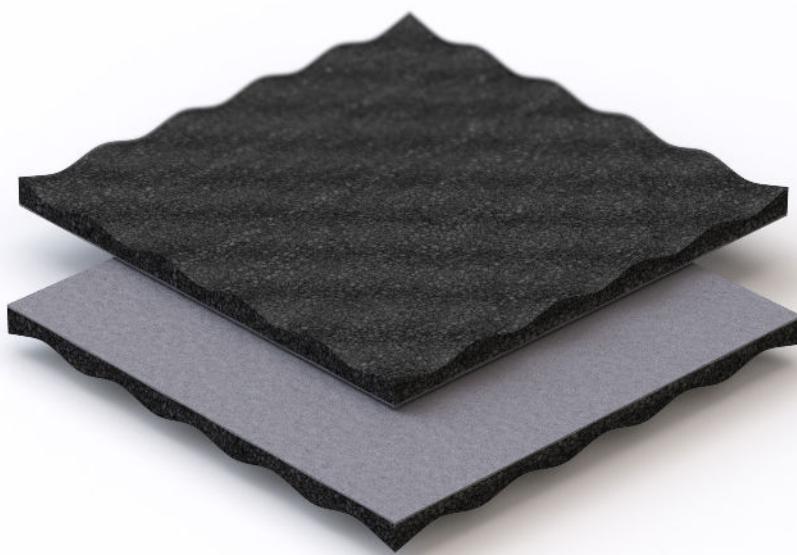
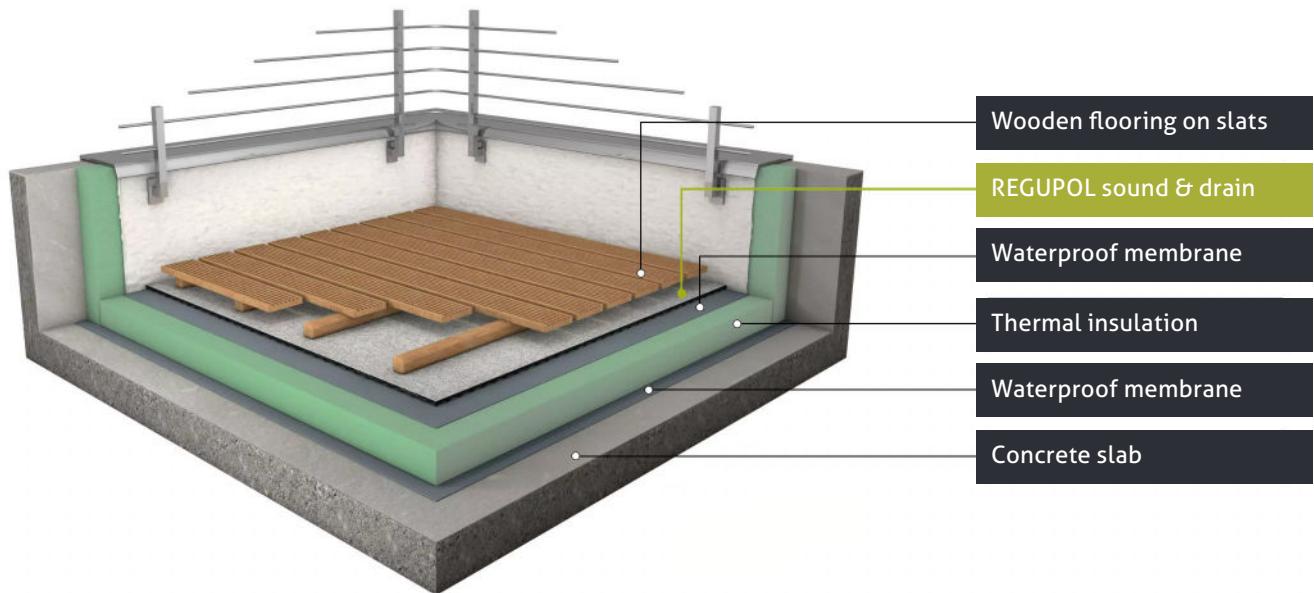


REGUPOL Sound & Drain 22

Elastic Materials / Underscreed Mats



Vibratec®
akustikprodukter



Description

The 15 mm thick impact sound insulation REGUPOL sound and drain 22 has a profiled underside and is ideally suited to a wide range of outdoor constructions on terraces, loggias, roofs and balconies.

REGUPOL sound and drain 22 is a versatile, 15 mm thick impact sound insulation layer with a profiled underside and a low dynamic stiffness of $\leq 21 \text{ MN/m}^3$ which is used in a wide range of constructions on roofs and terraces.

Depending on the specific build-up, the impact sound reduction value achieves between $\Delta L_w \geq 28 \text{ dB}$ and $\Delta L_w \geq 37 \text{ dB}$.

Characteristics

- Impact sound reduction $\Delta L_w \geq 28 \text{ dB} - \Delta L_w \geq 37 \text{ dB}$
- Maximum load 50 kN/m²
- Compressability $\leq 2 \text{ mm}$
- Polyurethane elastomer composite
- Dimpled profile on the underside
- Geotextile-laminated on top (160g, GRK 4)
- Compatible with commercially available bitumen and EPDM based membranes
- Compatible with PVC membrane, if approved by the membrane manufacturer
- If applicable, the thermal insulation should have a compressive strength of minimum 300 kPa.

Weight

- 81.0 kg/roll
- 6.5 kg/m²

Dimensions

- Length 10 000 mm
- Width 1 250 mm
- Thickness 15 mm

Applications

Terraces, Loggias, Balconies, Rooftops and Arcades.

Certification

European Technical Assessment ETA-18/0239

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute.



Acoustic Performance

Assembly - 1

- Concrete slab (140 mm)
- VT-Strip
- **REGUPOL sound & drain 22 (15 mm)**
- 53 mm concrete tiles, loose laid on height adjustable Buzon pedestals

Assembly - 2

- Concrete slab (140 mm)
- VT-Strip
- **REGUPOL sound & drain 22 (15 mm)**
- 26 mm wooden decking boards on battens, loose laid on height-adjustable Buzon pedestals

Assembly - 3

- Concrete slab (140 mm)
- VT-Strip
- **REGUPOL sound & drain 22 (15 mm)**
- 20 mm ceramic tiles, loose laid on height adjustable Buzon pedestals

Assembly - 4

- Concrete slab (140 mm)
- VT-Strip
- **REGUPOL sound & drain 22 (15 mm)**
- 20 mm ceramic tiles, loose laid on Buzon aluminium joists and height adjustable Buzon pedestals

Assembly - 5

- Concrete slab (150 mm)
- Bitumen underlay
- Foam glass thermal insulation (120 mm)
- 2 layers bitumen membrane
- VT-Strip
- **REGUPOL sound & drain 22 (15 mm)**
- 27 mm wooden decking boards on battens

Assembly - 6

- Concrete slab (150 mm)
- Bitumen underlay
- Foam glass thermal insulation (120 mm)
- 2 layers bitumen membrane
- VT-Strip
- **REGUPOL sound & drain 22 (15 mm)**
- 40 mm 2/8 mm fine stone chippings
- 50 mm concrete tiles

Results

Impact Sound Reduction as per ISO 717-2

- $\Delta L_w = 37 \text{ dB}$

Results

Impact Sound Reduction as per ISO 717-2

- $\Delta L_w = 28 \text{ dB}$

Results

Impact Sound Reduction as per ISO 717-2

- $\Delta L_w = 35 \text{ dB}$

Results

Impact Sound Reduction as per ISO 717-2

- $\Delta L_w = 35 \text{ dB}$

Results

Impact Sound Reduction as per ISO 717-2

- $\Delta L_w = 30 \text{ dB}$

Results

Impact Sound Reduction as per ISO 717-2

- $\Delta L_w = 35 \text{ dB}$

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