

# TECHNICAL DATA

## REGUPOL COMFORT 12



### Product

Impact sound insulating underlayment for various floor structures under screed beds and floating floors with a maximum traffic load  $\leq 5 \text{ kN/m}^2$ , CE certified.

### Material

- PUR-bonded elastomers
- Dimpled profile on the underside



### Weight

36.5 kg/roll – 3 kg per  $\text{m}^2$



### Dimensions

Length: 9300 mm, Width: 1150 mm, Thickness: 12 mm

### Applications

Under screed beds and floating floors for both residential and commercial use, traffic load  $< 5 \text{ kN/m}^2$ , e.g. floor renovations, new buildings, reconstructions of apartments, commercial buildings, or hotels.

### Certification

European Technical Assessment ETA-17/1030

| Acoustical Performance*   | Standard                               | Result   | Comment                        |
|---|--|--|--------------------------------|
| Under cement screed:  |  |  |                                |
| 60 mm cement screed,<br><b>REGUPOL comfort 12</b> ,<br>140 mm concrete slab | DIN EN ISO 10140-3<br>DIN EN ISO 717-2 | $\Delta L_w \geq 29 \text{ dB}$<br>$C_{\Delta} = -14 \text{ dB}$ | Test report<br>PB 4.2/16-252-5 |
| Under RenoScreed®:  |  |  |                                |
| 40 mm RenoScreed®,<br><b>REGUPOL comfort 12</b> ,<br>140 mm concrete slab   | DIN EN ISO 10140-3<br>DIN EN ISO 717-2 | $\Delta L_w \geq 28 \text{ dB}$<br>$C_{\Delta} = -14 \text{ dB}$ | Test report<br>PB 4.2/16-252-1 |

\*Assembly from top to bottom

| Material properties          | Standard       | Result                        |
|------------------------------|----------------|-------------------------------|
| Maximum traffic load         |                | $\leq 5 \text{ kN/m}^2$       |
| Mean dynamic stiffness value | DIN EN 29052-1 | $s'_t \leq 10 \text{ MN/m}^3$ |
| Compressibility              | DIN EN 12431   | $c \leq 2 \text{ mm}$         |

| Fire behaviour      | Standard       | Result |
|---------------------|----------------|--------|
| Fire classification | DIN EN 13501-1 | E      |

# TECHNICAL DATA

## REGUPOL COMFORT 12

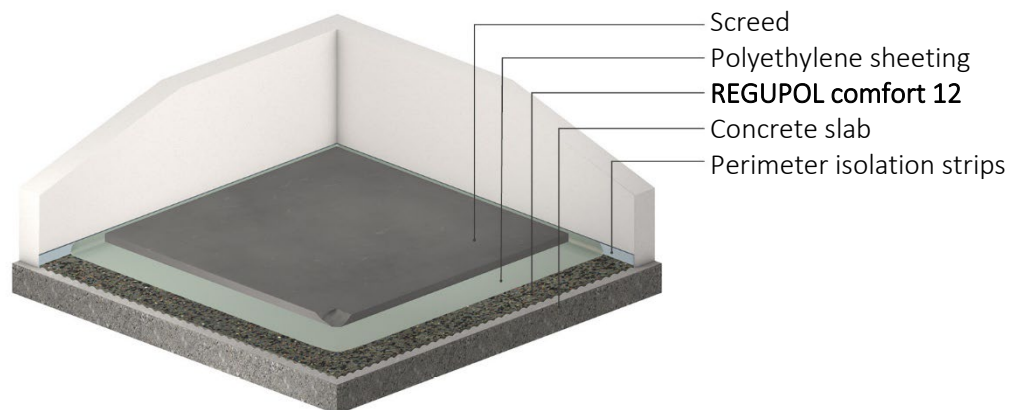


| Thermal behaviour  | Standard     | Result                              | Comment                            |
|--|--------------|-------------------------------------|------------------------------------|
| Thermal conductivity   | DIN EN 12667 | $\lambda = 0.06 \text{ W/(mK)}$     |                                    |
| Thermal resistance   | DIN EN 12667 | $R = 0.133 \text{ (m}^2\text{K)/W}$ |                                    |
| Temperature resistance   |              | -20 to +60° C                       |                                    |
| Deformation under specified compressive load and temperature conditions;<br>Difference of relative deformations $\epsilon_1$ and $\epsilon_2$ of<br>Level A: 23 ±5°C / 48 ±1 h<br>Level B: 35 ±1°C / 48 ±1 h | DIN EN 1605  | $\Delta \epsilon \leq 5,0 \%$       | Suitable for floor heating systems |

| Moisture behaviour        | Standard         | Result   | Comment   |
|---------------------------|------------------|--|---|
| Water vapour permeability | DIN EN ISO 12572 | $S_d = 0.03 \text{ [m]}$   | Diffusion equivalent air layer thickness                    |
|                           |                  | $\mu = 3.75 \text{ [-]}$   | Diffusion resistance factor, Material is open for diffusion |
| Sensitivity to moisture   |                  | To be protected from moisture during storage, transport and installation |   |

| Health protection | Standard     | Result  |
|-------------------|--------------|---|
| VOC               | DIN EN 16516 | compliant with EU-LCI list and German AgBB scheme;<br>"A+" as per décret n°2011-321 |
| Nitrosamine       | DIK Method   | Compliant with German Model Building Regulation                                     |
| PAH               | DIN EN 18287 | Compliant with German Model Building Regulation                                     |

### Floor assembly



For more assemblies and test reports, please visit [www.regupol.com.au](http://www.regupol.com.au)