

Regupol®

Rubber impact sound insulation matting

GENERAL

Regupol® is a tough, resilient sound insulation material used for underfloor impact sound reduction on all types of subfloors. It is suitable for all floor finishes including ceramic tiles, wood and laminates, carpet and linoleum, sheet vinyl and vinyl tiles, and between structural floor elements. Regupol® can be used to reduce noise on stairs (4.5mm depth recommended). It can be used with underfloor heating.

Regupol® provides 25% reduction of surface sounds between 500 and 2.000 Hz. It is easy to install – simply bond to the subfloor beneath the final floor finish. It is temperature resistant from - 40 °C to +110°C.

Regupol® CR225 may be used under solid timber and laminate finishes, carpet, linoleum and vinyl (with a separating layer). Regupol® CR225 is made from recycled tyre-crumb rubber and cork with a polyurethane binder. It is supplied in 1.15m wide rolls of 3mm and 4.5mm thickness.

Regupol® CR4515 is suitable for all floor finishes including ceramic tiles, solid timber and laminate finishes, carpet, linoleum and vinyl.

Regupol® CR4515 is made from a cork and polyurethane foam mix, and supplied in 1m wide rolls of 3mm and 4.5mm thickness.



ADVANTAGES

- Reduces floor impact sound - provides 25% reduction of surface sounds between 500 and 2.000 Hz
- Suitable for use under ceramic tiles, solid timber and laminate finishes, carpet, linoleum and vinyl
- Easy to install
- Suitable for use with underfloor heating
- Cork and recycled rubber content
- Easy to install
- Independently tested by a UKAS accredited laboratory for compliance with building regulations in accordance with Approved Document E 2003
- Long term performance without collapse or "bottoming" out under high point loads
- Resistant to ageing and deformation

AREAS FOR USE

Under a carpet

As a carpet underlay Regupol® CR4515 helps provide a resilient surface to walk on as well as effective impact sound insulation. The Regupol® CR4515 should be glued to the subfloor, and the carpet loose-laid on top.

Under a timber floor

Regupol® CR225 is effective at reducing the impact sound of footsteps to the rooms below. It can be glued to the subfloor, or in strips along the top of floor joists, before installing a floating timber floor on top.

Any fixings that penetrate through to the base structure should be avoided in order to reduce the transmission of impact vibration. If necessary this can be achieved by introducing an intermediate floating plywood floor, 22mm thick with glued tongue-and-groove joints, onto which floorboards or parquet can then be fixed. To complete the process, strips of Regupol® CR225 should be glued around the floor perimeter to isolate the flooring elements from the walls.

Under linoleum

Regupol® CR4515 is suitable for use under linoleum and vinyl. (Regupol® CR225 may also be used under linoleum; however a separating layer of 1200 gauge polythene damp proof membrane should be used, with a water-based adhesive which is suitable for the DPM). It should be glued to the level subfloor, and the linoleum may be glued on top.

Under ceramic tiles

Regupol® CR4515 should be fixed to the subfloor with a flexible cement adhesive. The ceramic tiles should then be fixed on top of the Regupol® CR4515 with flexible cement adhesive, and grouted with a flexible grout.

Adhesives

Total coverage of Holzweg/ Volvox Natural Latex Adhesive (see information sheet H26) is recommended ensuring that, in wet floor areas such as bathrooms, the floor finishes are completely sealed.

INSTALLATION

Subfloors must be level, sound, smooth and dry, and free from any contaminants which could affect adhesion. Regupol® should be unrolled and left in the area to which it is to be applied for a few hours prior to installation, as it stretches slightly when rolled up due to winding tensions. Use a craft knife and straight edge for cutting to size and ensure all edges are butt jointed.

Lay the Regupol® into the adhesive and press from the centre outwards to exclude air and ensure overall contact with the adhesive. Roll with a 68kg flooring roller from end to end and side to side to ensure contact. After 30 minutes, when the floor has been covered, roll once again. Do not apply loads or move furniture onto the Regupol® until the adhesive has fully set.

PRODUCT DATA

Width of rolls

Regupol® CR225	1.15m
Regupol® CR4515	1m

Length of rolls

Regupol® CR225	3mm	20m
	4.5mm	12m
Regupol® CR4515	3mm and 4.5mm	18m

Density

Regupol® CR225	approx. 470 kg/m ³
Regupol® CR4515	approx. 420 kg/m ³

Tensile strength at 3mm thick (DIN 53571) 0.45 N/mm²

Temperature resistance -40°C to +110°C

Thermal resistance (DIN 52612) 3mm 1/l =0.025 K/W

Thermal resistance (DIN 52612) 5mm 1/l =0.041 K/W

Thermal conductivity 0.12 W/mK

Fire classification (DIN 4102) B2

Impact sound insulation

3mm Regupol® with 2mm PVC	18dB
5mm Regupol® with 2mm PVC	20dB
3mm Regupol® with tiles	13dB
5mm Regupol® with tiles	15dB

