



## Regupol® 4515 Multi Acoustic Underlay

High performance acoustic underlay for all floor types



### Superior sound control

Regupol® 4515 Multi is a premium PUR foam/cork compound, making it the most sustainable and high performing product in the 4515 range. Achieving superior impact sound attenuation with any floor finish, Regupol® 4515 Multi delivers high tensile strength and exceptional acoustic performance without ageing or collapsing.

® 4515 Multi is a tough, resilient acoustic underlay manufactured from PUR Foam and cork granules and is ideally suited to all new build type constructions to comply with Part E, 2003 and can be bonded to all types of floors. Regupol® 4515 Multi is compatible with all types of floor finishes including ceramic tiles, sheet vinyl and vinyl tiles, wood and laminates, carpet and marmoleum/linoleum.

### Physical Information

- Roll width 1000mm
- Roll lengths 3mm x 20m 4.5mm x 18m
- Material thickness 3mm & 4.5mm

## Ecomerchant

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#### Features & Benefits

- Independently tested under laboratory controlled conditions and on-site using UKAS accredited and ANC approved bodies respectively to show compliance with the new building regulations in accordance with Approved Document E, 2003
- When used in acoustic floors under Part E of the Building Regulations and Robust Details is accepted by the NHBC
- Standard thicknesses 3mm and 4.5mm
- Offers long term performance without collapse or “bottoming” out under high point loads.
- Resistant to ageing and deformation
  
- Quick and easy to install. Simply bond to the subfloor beneath the final floor finish
- Reduces construction heights
- Suitable for both new build and refurbishments
- High quality and exact material thickness guaranteed
- Suitable for use with under floor heating.
- Very comfortable under foot
- Suitable for all floor finishes including ceramic/stone tiles
- Due to no rubber content, Regupol® 4515 Multi does not cause plasticizer migration when used with certain adhesives and floor finishes such as vinyl, linoleum and light coloured carpets

Tensile strength (DIN 53571)	approx 0.9 N/mm <sup>2</sup> (4.5mm material)
Elongation at break (DIN 53571)	approx 25%
Thermal Conductivity	approx 0.12 W/mk
Impact sound insulation ΔLw	18dB (measured in DLW accordance with BS EN ISO 140-8:1998)

#### Storage

Regupol® 4515 Multi must be stored indoors. At no time must the Regupol® 4515 Multi be exposed to the elements of the weather.

Regupol® 4515 Multi must always be kept dry, otherwise moisture will build up in the material and will subsequently make bonding to the subfloor very difficult. Moisture will also cause the material to curl and ripple at the edges once unrolled. It is recommended that the polythene packaging be removed in the area where it shall

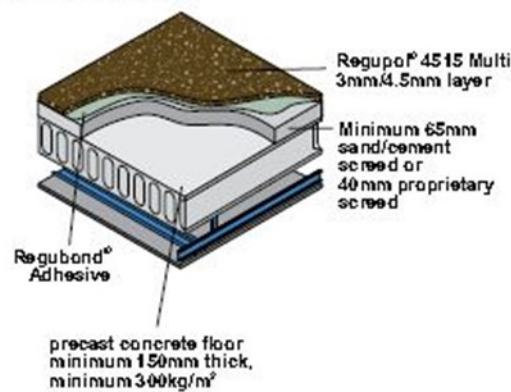


### Applications

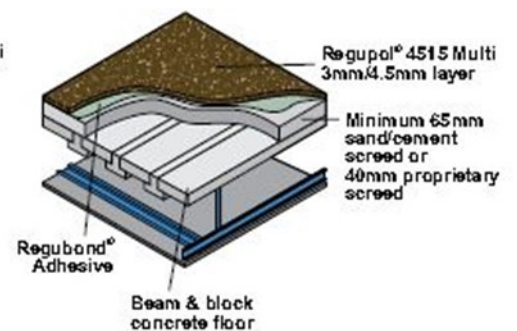
Full installation guidelines are available on request. However, key points to observe are:

- Regupol® 4515 Multi should be unwound and left for a minimum 8 hours or ideally overnight at the place where it is to be installed, to allow for any potential shrinkage.
- The subfloor must be sound, smooth and dry. A self-levelling compound may be required to bring the floors up to the necessary levels.
- All rolls of Regupol® 4515 Multi come with installation guidelines.

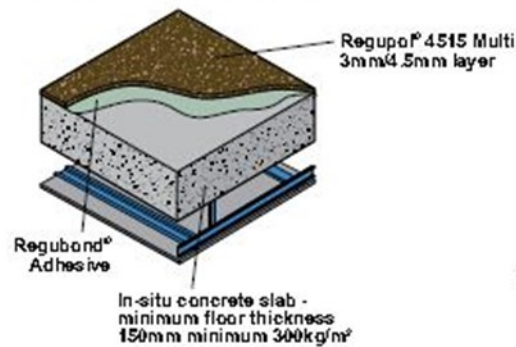
#### PRECAST FLOOR



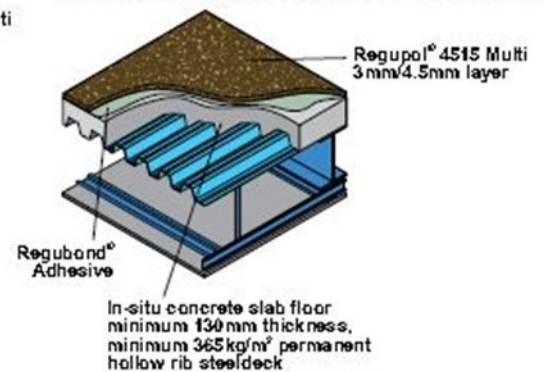
#### BEAM & BLOCK FLOOR



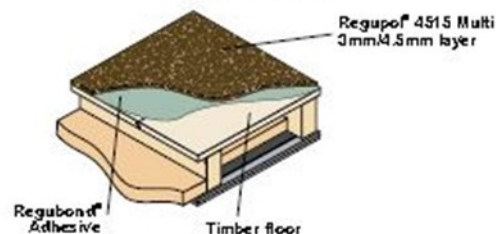
#### IN-SITU CONCRETE SLAB FLOOR



#### IN-SITU CONCRETE SLAB FLOOR ON PERMANENT HOLLOW RIB STEELDECK



#### TIMBER FLOOR



**IMPORTANT:** Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products. It is therefore recommended that prospective users should test a sample of this product under their own conditions to satisfy themselves that the product is suitable for the purpose intended.