



Regupol®

TECHNICAL DATA SHEET

REGUPOL® 4515 ECO

PRODUCT DESCRIPTION

Regupol® 4515 Eco is a tough, resilient, low cost acoustic underlay that has been developed to attenuate impact sound beneath a wide range of floor finishes, including carpet, wood, laminates and tiles in concrete construction. Regupol® 4515 Eco is not recommended for use in timber constructions. Extremely durable, flexible and sustainable, Regupol® 4515 Eco delivers cost effective impact sound insulation and is ideal for all types of developments.

BENEFITS

- Designed for use with a wide range of floor finishes, including carpet and tiles as well as wooden based floor finishes, e.g. parquet
- Offers long term performance without collapse or “bottoming” out under high point loads
- Resistant to ageing and deformation
- Zero global warming potential (GWP) & zero ozone depletion potential (ODP)
- Product manufactured using Recycled Materials and 100% recyclable

APPLICATIONS

Regupol® 4515 Eco is popular with developments where effective sound control is essential and budgets must be kept to a minimum. These include:

- Apartments
- Education developments
- Hotels
- Commercial developments
- Leisure developments



PHYSICAL INFORMATION

Roll width	1,100mm
Roll lengths	20m (3mm) & 12m (4.5mm)
Material thickness	3mm & 4.5mm
Material construction	Rubber/cork

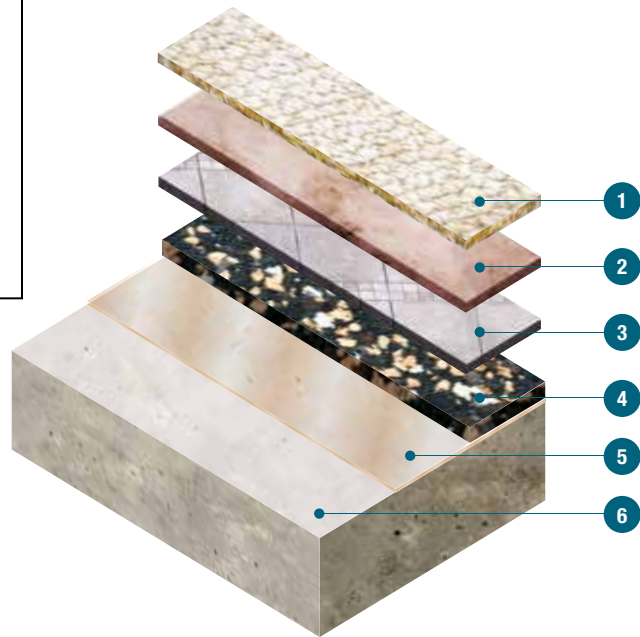
TECHNICAL INFORMATION

Density	approx 470kg/m ³
Tensile strength (DIN 53571)	approx 0.6N/mm ² (3mm thick)
Elongation at break (DIN 53571)	approx 18%
Temperature resistance	-40°C to +110°C
Thermal conductivity	approx 0.085W/mk
Impact sound insulation ΔL_W	17dB

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ACOUSTICS

- 1 Carpet
- 2 Wood and laminates
- 3 Tiles (ceramic, granite, stone, marble)
- 4 Regupol® 4515 Eco 3mm/4.5mm†
- 5 Regupol® Regubond 100 adhesive or similar approved*
- 6 Concrete slab (self-levelling screed if required)



INSTALLATION SERVICE

In addition to supply of this product CMS Danskin Acoustics can provide a listing of competitively priced approved installers that service anywhere in the UK. Use of this service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting CMS Danskin Acoustics materials correctly. Please contact your local CMS Danskin Acoustics for a list of approved and qualified installers.

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

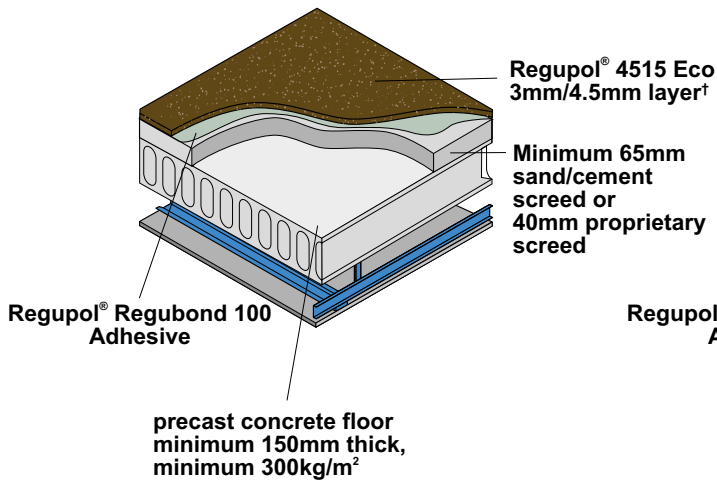
1. The installation area should be weather tight and dry.
2. Regupol® 4515 Eco should be unwound and left for a minimum 8 hours or ideally overnight at the place where it is to be installed, to allow for any potential shrinkage.
3. The subfloor must be sound, smooth and dry. A self-levelling compound may be required to bring the floors up to the necessary levels. Please contact technical services for further information.

* Regupol® 4515 acoustic underlays can be easily installed providing BS8203 and our installation guidelines are observed at all times.

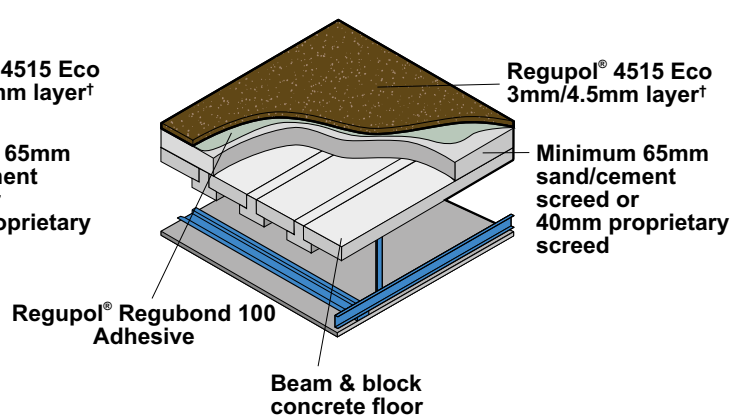
† Product thickness selected is based on acoustic performance required.

INSTALLATION

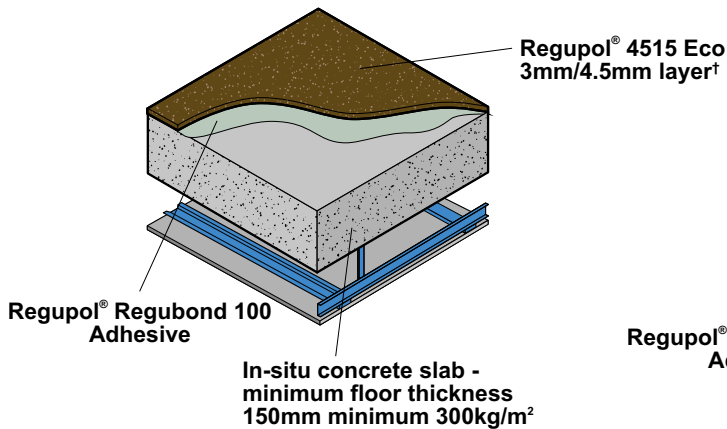
PRECAST FLOOR



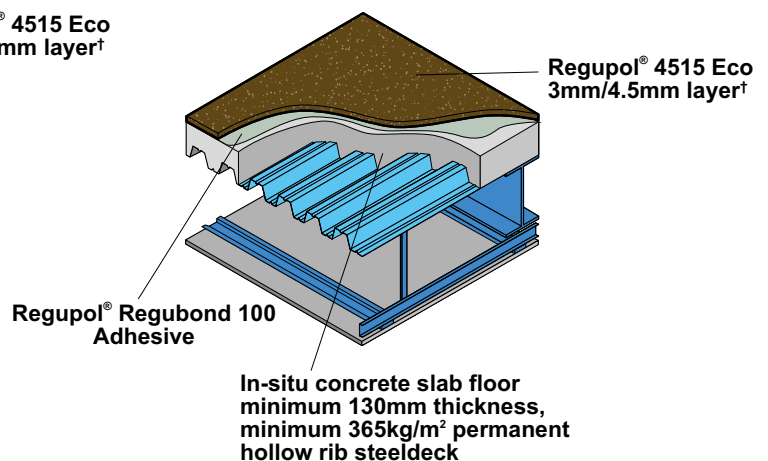
BEAM & BLOCK FLOOR



IN-SITU CONCRETE SLAB FLOOR



IN-SITU CONCRETE SLAB FLOOR ON PERMANENT HOLLOW RIB STEELDECK



Diagrams shown are for illustrative purposes only.

NB Regupol® 4515 Eco is manufactured from a combination of cork granules and rubber crumb. The manufacturing process of this product results in the presence of carbon black fillers, which can cause plasticizer migration; the discolouration of light coloured floor finishes such as vinyls and carpets. To avoid such potential problems, we strongly recommend the Regupol® Regubond 100 be used. Please contact CMS Danskin Acoustics: if light colours are being used, for full range of floor finishes, and if you require a list of recommended adhesives.

CMS DANSKIN ACOUSTICS

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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.

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