



Regupol®

# TECHNICAL DATA SHEET

## REGUPOL® 45 15 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



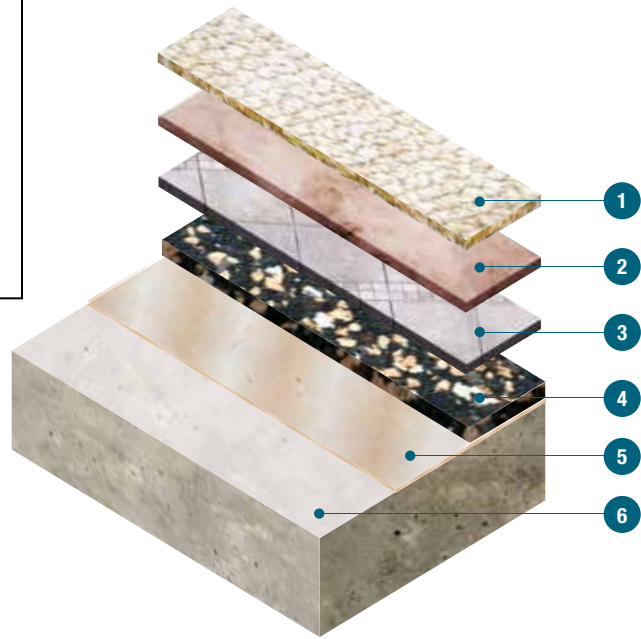
### PHYSICAL INFORMATION

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

### TECHNICAL INFORMATION

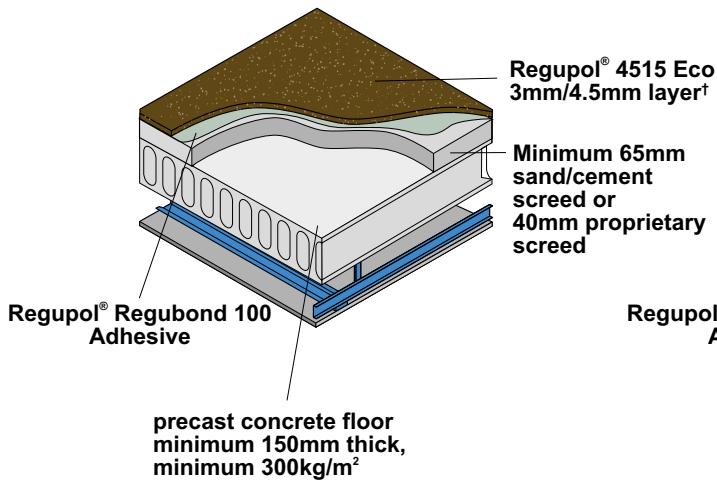
Density	approx 470kg/m <sup>3</sup>
Tensile strength (DIN 53571)	approx 0.6N/mm <sup>2</sup> (3mm thick)
Elongation at break (DIN 53571)	approx 18%
Temperature resistance	-40°C to +110°C
Thermal conductivity	approx 0.085W/mk
Impact sound insulation $\Delta L_W$	17dB

- 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)

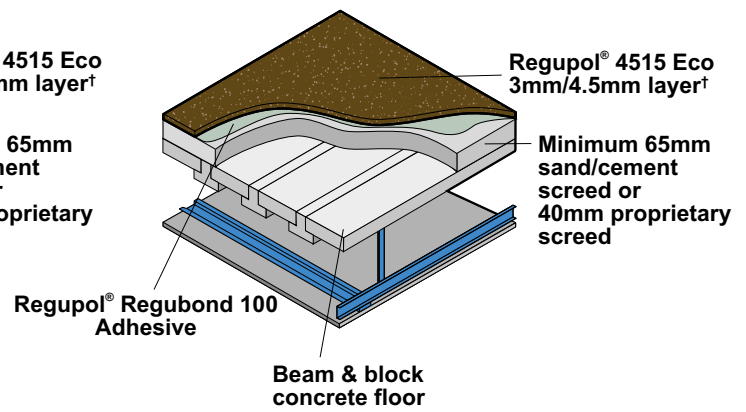


## INSTALLATION

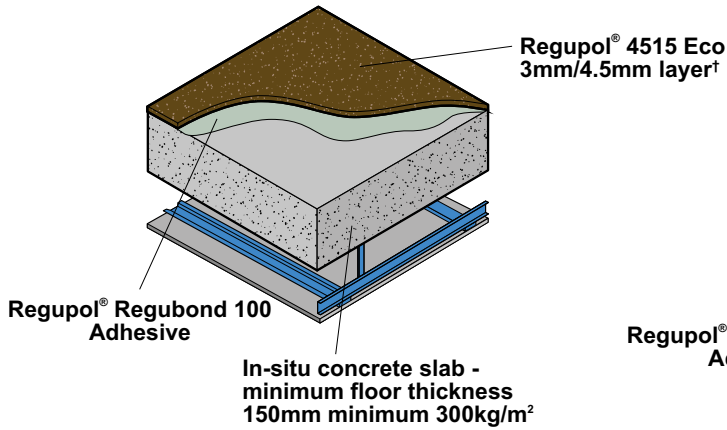
### PRECAST FLOOR



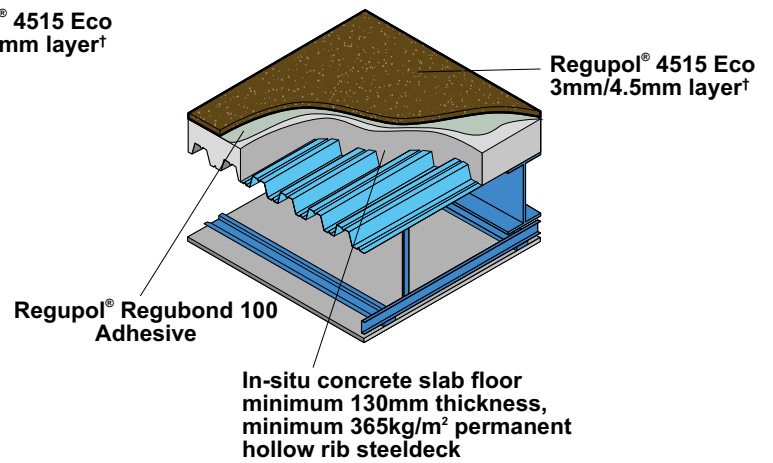
### BEAM & BLOCK FLOOR



### IN-SITU CONCRETE SLAB FLOOR



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



*Diagrams shown are for illustrative purposes only.*