

# Raised Access Floor - Isolation Pad System

## Technical Data Sheet

10mm REGUPOL Vibration series Isolation Pads for Raised Access Flooring Pedestals provide a high level of impact isolation by decoupling the pedestal from the sub floor yet still allowing a high integrity fixing.

3mm REGUPOL sonus core (7210C) top pads for placing on the pedestal prior to installation of the floor panel.

### FEATURES and BENEFITS

- Reduces Impact noise transmission.
- Minimal deflection, allows floor to pass stability testing
- Easily bonded in position
- High performance levels

### INSTALLATIONS

- Both pads give a considerable reduction in the transmitted impact noise, both pads give a combined calculated reduction of 30dB  $\Delta L_w$ .
- 10mm REGUPOL Vibration 800 tested to BS EN ISO 10140-3 on a Robust Detail Appendix D concrete floor with no ceiling reduced the impact transmission by 28dB  $\Delta L_w$ .
- 3mm REGUPOL sonus core (7210C) tested to BS EN ISO 10140-3 on Robust Detail Appendix D 160mm concrete floor with no ceiling reduced the impact noise reduction by 19dB  $\Delta L_w$ .
- The pads are retained by the pressure of the flooring or for small areas can be bonded with 40FC cartridge adhesive (approx. 10 pads per cartridge) or for larger areas by using REGUPOL 46-101 adhesive (approx. 1500 pads per tub).
- When bonded with 40FC or REGUPOL 46-101 adhesive to a clean dry subfloor the system is capable of passing the standard sandbag swing test.

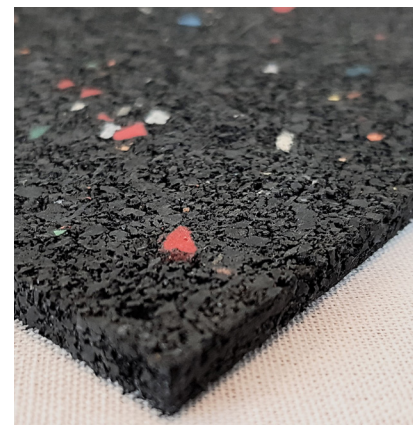
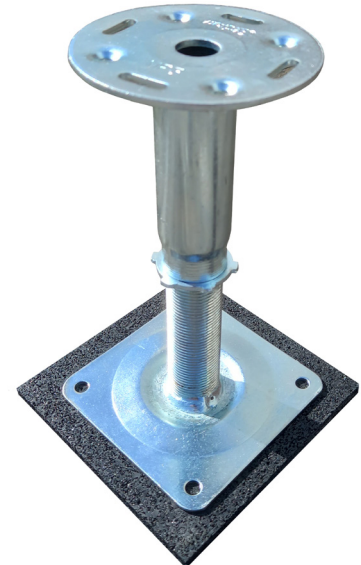
### PROPERTIES

#### REGUPOL sonus core (7210C) - Upper Pad

Density		720kg/m <sup>3</sup>
Tensile strength (DIN 53571)		0.5N/mm <sup>2</sup>
Thermal conductivity		approx 0.14W/mK
Elongation at break		approx 75%
Temperature resistance		-40°C to +110°C
Airborne sound insulation (DnT,w + Ctr)		49dB (mean average)
Impact sound insulation (L'nT,w (Ci))	3mm	50dB
Impact performance $\Delta L_w$	3mm	19dB

#### REGUPOL Vibration 800 - Base Pad

Maximum Load Bearing Capacity	0.80 N/mm <sup>2</sup>
Maximum Short Term Load	1.00 N/mm <sup>2</sup>
Compression hardness	545 kPa
Impact performance $\Delta L_w$	28dB



3mm REGUPOL sonus core (7210C) top isolation pad



10mm REGUPOL Vibration 800 base isolation pad

## TYPICAL SIZES

Pads supplied cut to size to suit manufacturers floor system.

REGUPOL Vibration 800:

100 x 100mm

125 x 125mm

150 x 150mm

REGUPOL sonus core (7210C):

75 x 75mm.

## OPTIONS

For cross laminated timber sub-floors where pedestals are mechanically fixed 6mm REGUPOL Vibration 800 isolation washers with large series steel washers under the screw heads gives a 22dB  $\Delta L_w$  reduction.

Where anti-static properties are required for the raised access floor system ensure suitable earthing is provided particularly when metal encased flooring panels are used on top of the pedestals.

### Concrete floor installation using 40FC adhesive and no screws

3mm REGUPOL sonus core (7210C)

Raised access floor pedestal

40FC or REGUPOL 46-101

10mm REGUPOL Vibration 800

40FC or REGUPOL 46-101

160mm concrete



### Pedestal Isolation - REGUPOL vibration and washers

3mm REGUPOL sonus core (7210C)

Raised access floor pedestal

Screw/bolt fixing

Steel washer

6mm REGUPOL vibration 800/XHT isolation washer

10mm REGUPOL Vibration 800

25mm flooring board (Optional)

250mm CLT



Diagrams shown are for illustrative purposes only.