



## Benefits

- **Excellent dampening and Isolation characteristics with medium load bearing characteristics.**
- **Extensive independent testing conducted by the "Institute of Structural Dynamics" at the Technical University of Dresden**
- **Maximum load bearing capacity - 0.10N/mm<sup>2</sup> (10000kg/m<sup>2</sup>).**
- **Completely recyclable and can therefore compliment companies "Environmental Policies" .**
- **No expensive mechanical parts.**
- **Isolates equipment from structural disturbance.**
- **Supplied in easy to lay sheets. Individual pads/strips can be supplied.**
- **Quick and easy to install.**
- **If using adhesive, virtually eliminates the need for anchor bolts, thus reducing floor damage.**

## Description

**Regupol® RAV300** is a high performing, yet cost effective polyurethane bound rubber granulate material developed and formulated to dampen and/or isolate noise and vibrations at source, whether in horizontal or vertical plains.

**Regupol® RAV300** will retain its performance properties throughout a long and maintenance free lifespan and can withstand loads of up to 0.10N/mm<sup>2</sup>.

**Regupol® RAV300** is also 100% recyclable.

## Physical Information

Sheet Dimensions 1m x 500mm  
 Standard Thickness 50mm (other thicknesses are available upon request)  
 Individual Pad/Strips can be supplied upon request.

## Technical Information

Max. Load Bearing Capacity	0.1N/mm <sup>2</sup>
Sheet Sizes	1m x 500mm
Temperature Resistance	-40° up to +110°C (Short Term)
Static Modulus of Elasticity	0.25 - 0.75N/mm <sup>2</sup>
Dynamic Modulus of Elasticity*	0.60 - 2.9N/mm <sup>2</sup>
Compression Set to DIN 53572**	Approx. 5.40%
Tensile Strength to DIN 53571	Min. 0.33N/mm <sup>2</sup>
Elongation at Break to DIN 53571	Min. 50%
Tear Resistance to DIN 53515	Min. 2.3N/mm

*\*Figures dependent upon load and natural frequency and material thickness*

*\*\*Measured 30 minutes after decompression with 50% deformation @ 23°C after 72 hours*

See overleaf for performance graphs.

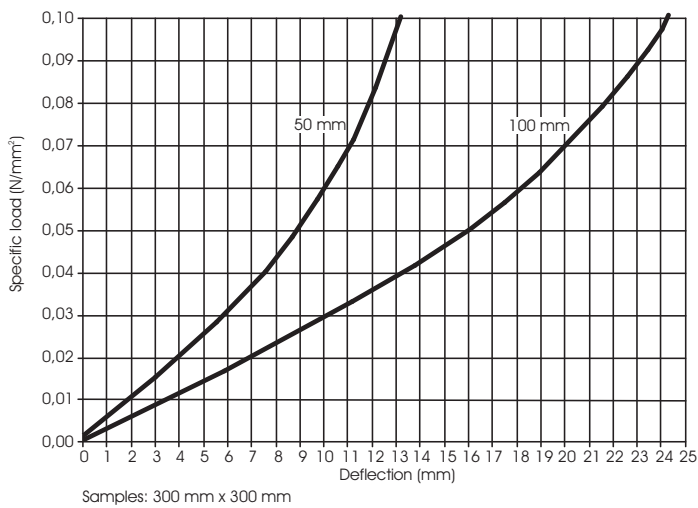
## Applications

**Regupol® RAV300** has a multitude of applications and can be used in both non-critical and critical areas whether for dampening or isolation of noise and vibrations respectively and has been used for:

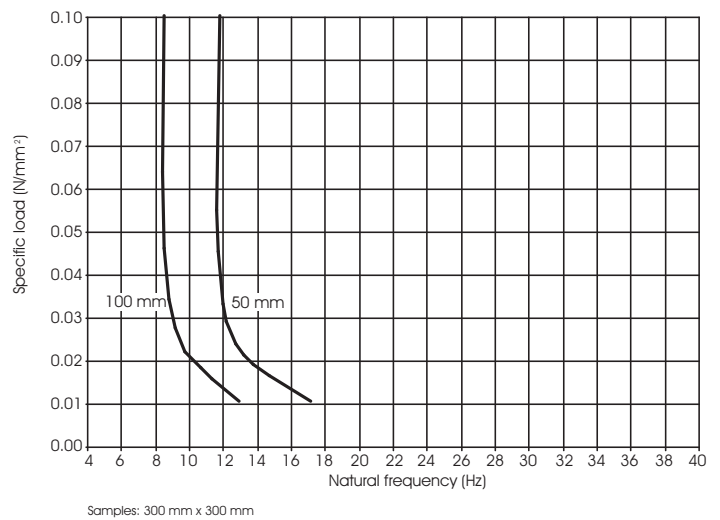
- Plant and Machinery
- Inertia Pits
- Plinth Bases
- Machinery with vertical shock loads, e.g. Guillotines, Power Presses
- Structural Isolation of Perimeter walls
- Recording / Dance Studios

For information relating to specific applications and the correct adhesive, please contact CMS Vibration Solutions Technical Department.

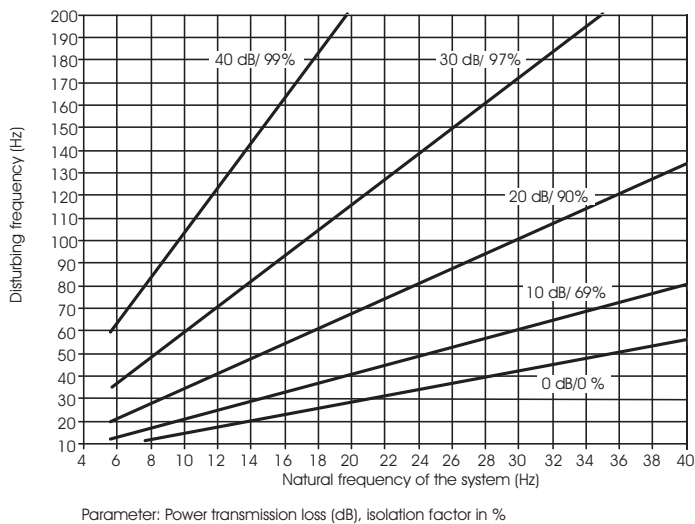
## Load Deflection



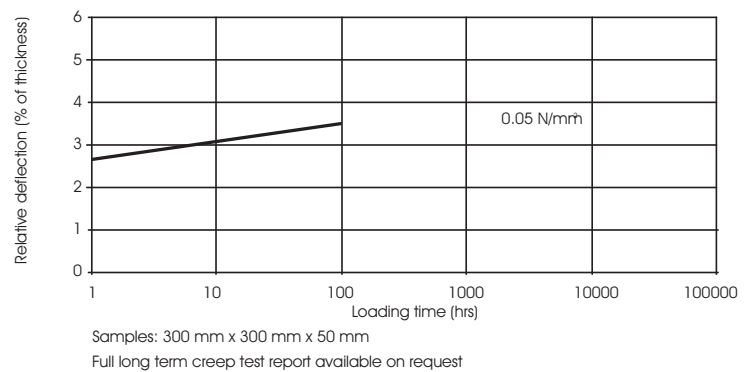
## Natural Frequency



## Vibration Insulation



## Long-term Creep



## Installation Service

In addition to supply of this product CMS Vibration Solutions offers a competitively priced installation service anywhere in the UK. Use of our service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting vibration isolation materials correctly. For further details contact our technical team on 01925 582899.

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