



VC2100 Vibration Control material is an Engineered compound with Cork and Synthetic rubber. This product is suitable for vibration control applications in immersed in oil, such as internal vibration control pads in extreme industrial environments where the presence of oils or other chemicals are present.

- maximum load 2.0 MP a (72 to 217 psi)
- temperature range -40 °C to 125°C (-40 °F to 257 °F)

Specially designed to isolate the transformer core and clampings as well as walls minimizing structure borne noise

- Oil type Transformers and Reactors
- HVAC equipment
- Industrial Machinery

Features

- Reduce vibration, absorb shock and structure borne noise
- Good resistance to oils (compatible with mineral, silicone and natural ester insulation oils)
- Available in thicknesses up to 50mm
- One layer material avoiding de-lamination issues
- Easy to fabricate into pads
- Retains original length and width under compression due to cork poisson ratio

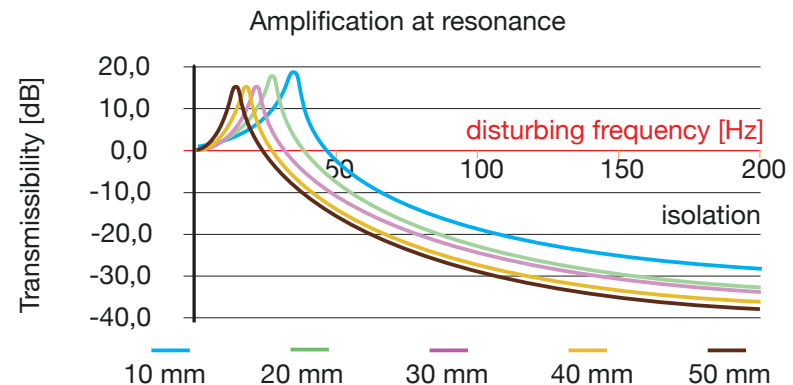
Pad Design Guidelines

In order to have the best design approach, there are key factors to consider:

- Equipment (type and size), dimensional constrains and total weight
- Center of gravity (CG) to calculate the weight distribution between the mounting points
- Disturbing/ Excitation frequency an required isolation efficiency
- Operating temperature
- Enviromental Conditions

Transmissibility

Transmissibility Analysis, for a 150 x 150 pad



Read the Transmissibility by projecting a vertical line from the disturbing frequency to intercept the curve.