

ANTI-DRUMMING

CALDIVIBRO CLD – self-adhesive constraint layer damping system



CALDIVIBRO	Thickness	Weight
CLD	0,2 mm	0,12 kg/m ²

Description

Caldivibro CLD is a special self-adhesive layer combined with a constraint layer (i.e. steel, aluminium, GRP or Carbon), designed to provide excellent anti drumming properties in constrained layer applications.

- Excellent anti-drumming
- Suitable for applications that require long term bonding endurance under harsh conditions
- Suitable for applications where holding power under (continuous) stress needs to be maintained
- Fire-retardant conform IMO MCS 307 (88), ISO 5658, (replaces IMO A 653 (16))
- Low flame certified IMO Res.MSC.61 (67)-FTP Code), annex 1 Part 5 & annex 2 (MED 1250055)
- Resistance to high temperature, chemicals, UV resistance and humidity
- Temperature resistant from -20 to 200 °C (continuous)
- Maximum peak temperature 235 °C
- Maximum anti-drumming effect at temperatures between 0 - 35 °C

Application

Automotive industry, enclosures, shipbuilding, steel constructions

Processing

Surface must be clean, dry, dust, oil and grease free
 Good adhesion is obtained by carefully pressing and rolling down
 Do not handle when temperature is below 10 °C
 We advise to test the product on a non-visible spot, before application, to
 Ensure if the product is suitable for the application

Sizes

Standard 200 x 100 mm, other dimensions on request

Tolerance

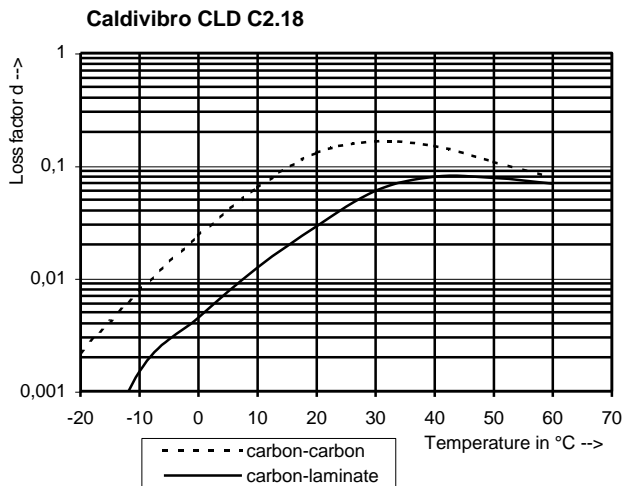
Glue surface can be max. 8% less than the total surface of the CLD plate. The mentioned tolerance has no influence on the acoustic result.

Storage

The shelf life of the product is one year when stored at 15-25 °C, 30-70% relative humidity, out of direct sunlight and in original packaging is the storage time 12 months

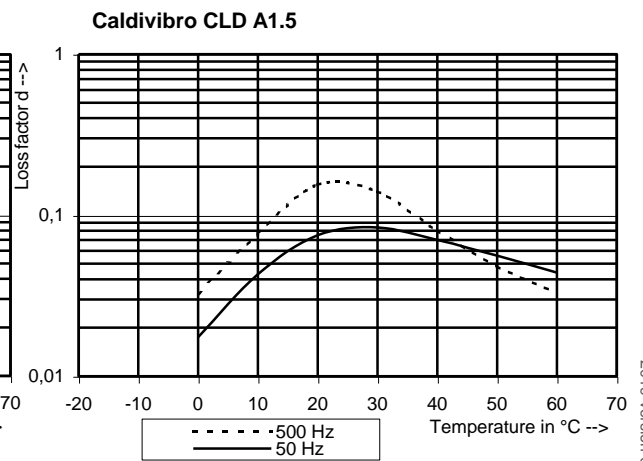
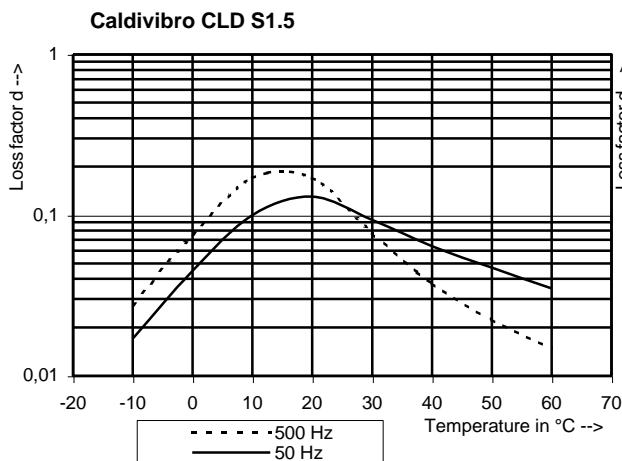
LOSS FACTOR

Anti-drumming material : Caldivibro CLD C2.18
 Constraint layer : 2,18 mm carbon plate
 Base : 10 mm carbon plate
 Frequency : 150 Hz
 Tested in acc. with : ASTM 756



Anti-drumming material: Caldivibro CLD S1.5
 Constraint layer : 1,5 mm steel
 Base : 6 mm steel plate
 Frequency : 50 / 500 Hz
 Tested in acc. with : ASTM 756

Anti-drumming material : Caldivibro CLD A1.5
 Constraint layer : 1,5 mm aluminium
 Base : 6 mm aluminium plate
 Frequency : 50 / 500 Hz
 Tested in acc. with : ASTM 756



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