



technical data sheet

BOSCODAMP[®] SILENT WALL

Water Based Visco-elastic Vibration Damping Compound

DESCRIPTION

Boscodamp SILENT WALL is a visco-elastic, water based adhesive for bonding a variety of building materials to create vibration damped, low noise and light weight wall, ceiling and floor structures.

When applied between two rigid surfaces, Boscodamp SILENT WALL creates a constrained layer damper system that dramatically reduces the noise transmission through walls and ceilings and reduces the level of noise generated from impacts on floors.

Boscodamp SILENT WALL is a pressure sensitive adhesive which displays permanent tack once dry.

PURPOSE FOR USE

Boscodamp SILENT WALL is suitable for adhering to a variety of substrates including galvanised metals, concrete, cement sheet, wood and plasterboard used for walls, ceilings and floors. To create a noise damped system, two rigid surfaces must be bonded together.

PREPARATION

Ensure the surface is even, clean, dry and free from oil, dust or flaking paint. In cases of very porous or highly absorbent, friable surfaces (eg. concrete) one should be prepared to prime first with Bostik Multiprime.

APPLICATION & COVERAGE RATE

Should be determined for each system in terms of target acoustic performance.

Under normal conditions on flat surfaces a spread rate of 1.5 -2 m²/liter using a 4mm V-notched trowel will give a dry film of 0.75-1.0mm.

For highly profiled surfaces such as brick work and off form concrete a thicker layer should be considered or bead application.

BEAD APPLICATION: Apply a 10-15mm bead at 100-150mm spacing using a mechanically pumped application system.

Coverage rate per m² :

10mm bead @ 150mm spacing = 0.5L

15mm bead @ 100mm spacing = 1.7L

Coverage rate affects acoustic performance. If the beads are applied too sparse, then acoustic performance deteriorates and panel drumming can come into play. Also make sure the bead diameter is large enough to bridge any gaps.

Do not apply adhesive if temperature is below 5°C.

Do not allow the adhesive to become touch dry. Bonding of the coated plasterboard to the metal panel should be completed while the adhesive is still wet.

Appearance changes from milky to clear. It also can be tested by placing the knuckles onto the adhesive coat which should feel tacky, but not transfer to the knuckles.

FEATURES

- Water Based
- LOW VOC
- Broad temperature and frequency range
- Non toxic
- Environmentally friendly
- Non-sag formulation (thixotropic)
- Adhesion to most surfaces*
- Roller, Trowel, Extrusion application

RECOMMENDED USES

- Plasterboard and Metal Wall cladding*
- Machinery and Equipment enclosures*
- Machinery guards

* One substrate must be water permeable

BENEFITS

- Water based, easy application and clean up with soap and water
- Performs under most ambient conditions
- Minimum weight for maximum performance
- Easy to apply
- Increases panel transmission loss

TYPICAL TECHNICAL DATA

Colour: Orange
Viscosity: 50,000 cP
Solids: 65%

MISCELLANEOUS PROPERTIES

MATERIAL	COLOUR	OPERATING TEMP	SERVICE TEMP RANGE
BOSCODAMP SILENT WALL	Orange	0°C to 60°C	-20°C to +80°C

COVERAGE:

Up to 0.6m² per litre per dry millimeter thickness

Shelf life: minimum 12 months from date of manufacture if stored under cover between 5°C and 30°C.

APPLICATION

Apply BOSCODAMP SILENT WALL at temperatures above 10°C

Metal Temperatures need to be greater than 5°C
Separate application instructions are available on request.

CLEAN-UP

Use soapy water or plain water to clean up equipment and excessive wet coating. Mechanically abrade cured coating from the surface and clean away remaining material with Anchor-Weld™ 901 Cleaner/Thinner.

LIMITATIONS

Because of the wide range of surfaces that the product could be used to adhere, a test of any new combination should be conducted before using.

Not recommended for: - *Oily timber*
 - *Oil tempered particle board*
 - *External use.*

SAFETY DIRECTIONS:

Boscodamp SILENT WALL is not dangerous to health or flammable.

Please refer to the Material Safety Data Sheet which is available on request.

STORAGE & SHELF LIFE

Do not allow to freeze, store out of direct sunlight, keep in original containers tightly closed when not in use.

The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik Australia Pty Ltd be liable to anyone except for replacement of the products or refund of the purchase price.

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