

# Sound Damping Compound



## Description

Sound Damping Compound (SDC) is a water based co-polymer emulsion with various inorganic material fillers. It is d easy to apply using commonly available spray equipment, small areas may also be trowled. As a monolithic material it is easily applied around complex shapes.

## Applications

The compound is an extremely efficient panel damping material, effective in the suppression of vibration and vibration generated noise. The selective grading of its various fillers not only limit vibration therefore the generation of sound, but also dampens sound waves passing through the SDC layer.

SDC has very low smoke and toxic fume emission and is suitable for use on GRP, primed steel, stainless steel, aluminium and vitreous enamel panels.

It is used extensively in the construction industry on the internal side of contoured roofs to suppress the rain noise, it is also used on other large surface areas such as; floors, air conditioning equipment etc.

## Specification

<b>Colour</b>	Off white
<b>Storage Temperature</b>	4°C to 45°C
<b>Cleaner</b>	Warm water as soon as possible after use
<b>Finish</b>	Monolithic
<b>Flash Point</b>	None, water based
<b>Cure</b>	By air drying
<b>Thickness when wet</b>	1.5 – 6mm
<b>Thickness when dry</b>	0.75 – 3mm
<b>Coverage per litre</b>	0.5m <sup>2</sup> when spray applied at 3mm wet film thickness
<b>Number of coats</b>	One, or more as required
<b>Container Size</b>	20 litre plastic drum
<b>Weight</b>	1.5 - 1.6 kg
<b>Shelf Life</b>	6 months
<b>Fire Performance</b>	Class 0, BS476 Part 6 to the 1991 Building regulations Class 1, BS476 part 7 1997 surface spread of flame M1 Classification, in accordance with French regulation Arrete 28.9.1991

## Acoustic Performance

Substrate	Thickness of Damping Coat	Vibration Decay Rate ( dB / Sec )
1mm steel	Uncoated steel	3
	1.5mm when dry	115
	3mm when dry	224
3mm Aluminium	Uncoated Aluminium	11
	1.5mm when dry	104
	3mm when dry	555

## Storage and Method of Application

Containers are marked with a batch number, the lower number should be used first. Ensure that the containers are protected from frost and radiant sunlight.

Sound Damping Compound should not be applied to bare steel steel where corrosion can occur.

It can be applied internally and externally providing it is in a sheltered area and protected from excessive moisture.

Prior to application substrate should be clean, dry and free from flaking paint, oil, rust, or anything else that is likely to impair adhesion.

Ensure the compound is well stirred before use, do not thin or use any additives.

Spray or trowel on the first coat up to 3mm wet thickness and build up further coats until the required finish is achieved.

Allow each coat to dry completely before applying the next.

For information on application equipment, please contact Sound Control Services.

## Safety

Ensure that the area being treated is well ventilated, both during and after the application.

It is recommended that gloves, goggles, face mask and barrier cream are worn during application.

Avoid contact with skin and eyes, wash immediately with warm water if contact occurs, seek medical attention if irritation persists.

If swallowed rinse mouth and throat with plenty of water, drink water to dilute stomach contents and then seek medical attention.

If a spillage occurs, cover with an absorbent material e.g. dry sand, and dispose of it taking care not to contaminate sewers, water courses etc.