

DC Damping Compound

Acoustic solution for damping of metal work

Wilhams range of DC damping compounds offers a selection of vibration damping materials. Application of DC Damping Compound to metal or plastic panels will inhibit the build up of resonant vibrations and will efficiently reduce the levels of radiated noise.



DC1010

Advantages

- Spray compound, ready for use
- Water based, quick drying
- User friendly polymeric emulsion

Properties

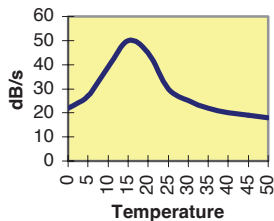
Colour	Natural buff
Specific gravity	1.3 – 1.4 g/cc (wet)
Viscosity	Thixotropic
Cure	Air drying
Flash point	None, water based
Total solids	60–70 %
pH value	Mildly alkaline - pH10
Dry thickness	75-90% wet thickness (subject to application)
Thermal conductivity	0.3 W/mK
Shelf life	3-6 months (4 to 35°C)
Packing	25kg or 200kg

Application

Surfaces must be clean and degreased. Any stainless steel or pre-painted surfaces should be rubbed down with an emery cloth and galvanised steel surfaces should be treated with a mordant solution. Aluminium should be treated with an etching primer and for any other unpainted metal surface, treatment with a quality matt primer will be adequate.

DC 1010 Damping Compound is a spray applied compound using large bore equipment. Coverage can be built up by successive coatings. **Note:** It is essential to allow full drying of coats between applications. Coverage is approximately 6 m² per 25 kg with a 3mm wet thickness depending on the surface profile.

Protection after application can be achieved by painting with most types of paints after the compound is fully dry. Any excessive exposure to fluids such as water or oil etc will lead to a softening of an unprotected compound and subsequent loss of acoustic properties and possible bonding failure.



Decay Rate
 - SAE J671
 Geiger plate method
 500x500x5mm plate
 3mm thick DC1010

DC1020

Advantages

- Trowelable paste compound
 - Ideal for irregular structures
 - Non toxic synthetic visco-elastic compound
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Properties

Colour	Natural buff
Density	1,850 kg/m ³
Viscosity	Thixotropic
Flash point	None, water based
Total solids	72%
Shelf life	3 months (4 to 35°C)
Packing	25kg or 200kg

Application

Surfaces must be clean and degreased. Any stainless steel or pre-painted surfaces should be rubbed down with an emery cloth and galvanised steel surfaces should be treated with a mordant solution. Aluminium should be treated with an etching primer and for any other unpainted metal surface, treatment with a quality matt primer will be adequate.

DC 1020 Damping Compound is applied using a trowel or similar tool. Coverage can be built up by successive coatings. **Note:** It is essential to allow full drying of coats between applications. Coverage is approximately 4 m² per 25 kg with a 3mm wet thickness depending on the surface profile.

Protection after application can be achieved by painting with most types of paints after the compound is fully dry. Any excessive exposure to fluids such as water or oil etc will lead to a softening of an unprotected compound and subsequent loss of acoustic properties and possible bonding failure. For protection against weather exposure, two coats of bituminous paint should be applied.

SoundPro® is the registered trademark of Wilhams Insulation Far East Sdn Bhd

The logo for Wilhams features the word "WILHAMS" in a bold, blue, sans-serif font. A red diamond shape is positioned above the letter "A".

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