



General Description

Wilhams range of DC damping compounds offers a selection of vibration damping materials. Application of a Wilhams 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.

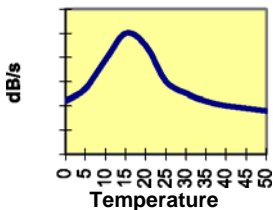
DC1010

Advantages

- Spray grade 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)
Container sizes	25kg or 200kg



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

Application

Surfaces must be clean and degreased. Any stainless steel or pre-painted surfaces should be rubbed down with an emery cloth and galvanized 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.

Wilhams DC 1010 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.



DC1020

Advantages

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

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)
Container sizes	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 galvanized 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.

Wilhams DC 1020 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.

Wilhams Insulation Group