

TECHNICAL INFORMATION SHEET



General Description

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

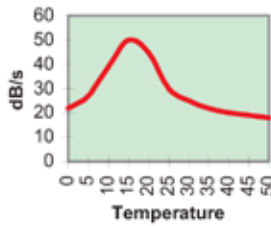
Damping Compound DC1010

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

Advantages

DC1010

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



DecaY Rat® - SAE J671
Geiger plate method
500•500•5mm plate
3mm thick DC1010

DC1020

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

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.

CMS 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.

Damping Compound DC1020

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 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.

CMS 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.

Installation Service

In addition to supply of this product CMS Acoustic Solutions offers a competitively-priced installation service anywhere in the UK. Use of our service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting acoustic materials correctly. For further details contact our technical team on 01925 577711.

IMPORTANT: Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products. It is therefore recommended that prospective users should test a sample of this product under their own conditions to satisfy themselves that the product is suitable for the purpose intended.

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