



DECIDAMP® DC06

Water-based, two-component damping compound

Decidamp DC06 is a water-based, two-component damping compound, which works best in a constrained layer configuration (sandwich system). Its excellent viscoelastic damping properties result in substantial reductions in structure-borne noise. The product is suitable for use in a multitude of applications, especially in marine environments such as bulkheads and decks.

Decidamp DC06 performs effectively over a broad temperature and frequency range, enabling it to achieve significant reductions of radiated structure-borne noise in a wide variety of applications and conditions.

Decidamp DC06 is applied to metal or perforated metal, to reduce the weight of the system, which is then bonded to the surface that needs to be treated. During curing, it forms a secure bond between the counter-plate and substrate, creating an excellent viscoelastic damping medium. The product can be used in confined environments due to its low odour properties. The application tools can be easily washed with warm water after use.

Decidamp DC06 contains no isocyanates and is easy to apply. It is corrosion-resistant, highly thixotropic and can be used on horizontal and vertical surfaces without slumping at recommended application thickness of 2 mm.

The fast-drying formula allows 45 minutes open time after mixing. After 24 hours, the compound will cure, securely bonding the counter-plate and substrate and become water-resistant after seven days.

Decidamp DC06 has been certified and complies in accordance with IMO FTP Code Annex 1 Part 5 and Part 2.

VOC, ODP, HEALTH AND SAFETY

Decidamp DC06 is non-toxic and safe to handle by methods prescribed in the Safety Data Sheet.

SPECIFICATIONS

Colour	Blue (compound)
Available	15 kg pail kit (33 lb) Kit contains Part A and Part B components
	Storage: Store in a dry place above 15 °C (59 °F). Keep away from direct sunlight, heat sparks and open flames. Do not freeze. Shelf life: 24 months from date of manufacture under recommended storage conditions.



applications

- Marine: hulls, decks and bulkheads to reduce vibration spread and structure-borne noise
- Propeller and bow thruster areas
- Transport: automotive and rail industry
- Industrial: earthmoving equipment, portable generator and pump units
- Suitable flooring systems to reduce impact noise

features

- Water-based formula: non-hazardous when mixed
- Low odour properties: suitable for confined areas
- Complies in accordance with IMO FTP Code Annex 1 Part 5 and Part 2
- High coverage rate, fast application & curing
- Excellent adhesion to steel, aluminium and glass composite substrates
- Highly effective at reducing structure-borne noise
- Suitable for outdoor exposure
- Excellent fire-resistant properties
- Low-weight viscoelastic damping
- Broad temperature range
- Cures without shrinking or cracking



PRODUCT SPECIFICATIONS

Product name	Mix ratio A:B Weight for weight (W:W)	Typical recommended thickness	Consumption
Decidamp® DC06	1:1.65	2 mm (0.08 in)	2.5 kg/m ² at 1 mm WFT (0.5 lb/ft ² at 0.04 in WFT)

APPLICATION PROPERTIES

Product	Colour	Recommended application temperature range	Pot life (Once mixed)	Full cure at 25 °C (77 °F)
Decidamp® DC06	Blue	5 to 35 °C (41 to 95 °F)	45 minutes Depending on environmental conditions	24 hours Depending on environmental conditions

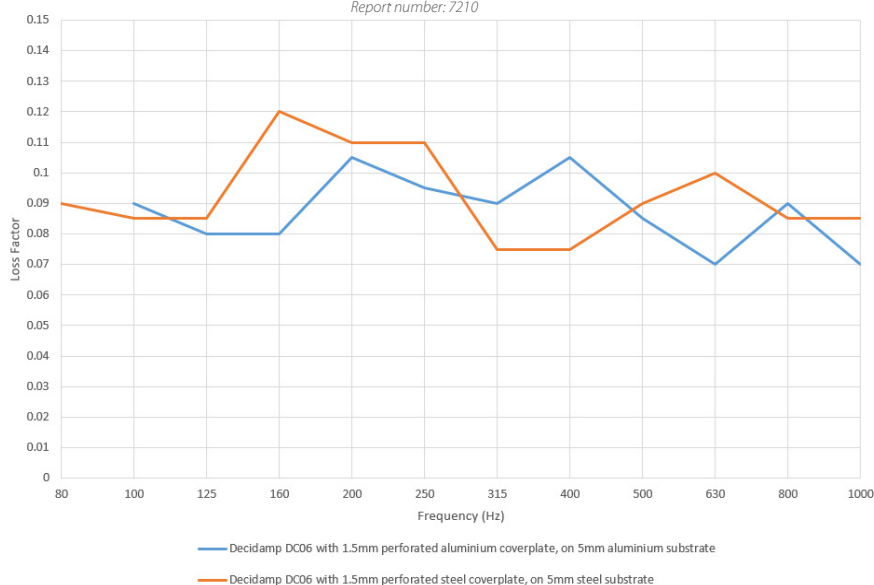
MATERIAL PROPERTIES

Test method	Property	Report no.	Results
IMO FTP Annex 1 Part 5	Surface flammability	417839	Complies for bulkhead, walls and ceiling linings
IMO FTP Annex 1 Part 2	Smoke and toxicity	417842	
MED B	EC Type Certificate (Module B) for Marine Equipment Directive	MEDB000074X	
MED D	EC Type Certificate (Module D) for Marine Equipment Directive	MEDD000028J	
Loss Factor Measurement	System Loss Factor	7210 Intersona	Upto 0.12 on 5mm steel plate with a 2mm application and 1.5mm perforated steel coverplate (15% open) Up to 0.105 on 5mm Aluminum plate with a 2mm Application and 1.5mm perforated aluminum coverplate (15% open)

ACOUSTIC PERFORMANCE

System Loss Factor Measurement Decidamp DC06 at 2 mm (0.08 in)

Report number: 7210



For further information
and contact details,
please visit our website
pyroteknc.com

Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights.
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