

DECIDAMP® SP150



0575

water based vibration damping compound

Decidamp® SP150 is a fast drying, water based viscoelastic vibration damping compound and adhesive. Previously known as Soundpaint, this advanced formula was developed for acoustic improvement of structures that are exposed to vibrations and impact. It effectively absorbs and dissipates vibrational energy from the flexural stress of the base structure and to reduce panel coincidence and resonance effects.

Developed with a special polymer technology, Decidamp® SP150 is a lightweight, non-toxic structural damping material that is suitable for exterior and interior use and anywhere that noise can impact structure, comfort and function.

With exceptional fire properties and compliance with international fire codes it performs across marine industry. Decidamp® SP150 is easy to apply by simply spraying, rolling or trowelling onto surfaces. Once dry, the cured film is UV, water and chip resistant and exhibits low combustibility.

Decidamp® SP150 is a superior extensional damping compound suitable to be applied directly to structures (steel, fibreglass and alloys) where sound damping is required. Available in grey as standard or other colours can be ordered.

Low-density properties and its exceptional performance-to weight ratio makes it the ideal choice for weight sensitive applications.

SPECIFICATIONS

Colour	grey standard, other colours available based on minimum quantities
Packaging	20 kg pail 300 kg drum



applications

- Marine: boat hulls, ceilings, decks and bulkheads
- Machinery and industrial equipment enclosures
- HVAC, plant rooms, substations
- Automotive, heavy earthmoving equipment
- Stainless steel applications (sinks, bowls)
- Hospital equipment
- Whitegoods and dishwashers
- Metal floors, deck roofing, wall cladding

features

- Non-sag formulation
- Excellent adhesion, even to aluminium
- Water based, non hazardous
- Cures to chip resistant finish
- Excellent flame resistance, ignition retardant
- Broad temperature and frequency range
- Ideal for weight sensitive applications - lightweight
- Reduces resonant vibration and eliminates tinniness and ringing
- Easy application and clean up (sprayable)
- Can be painted/gel coated over, once cured
- Tested to International marine fire standards
- Water based, easy application and clean up
- Minimum weight for maximum performance
- Increases panel transmission loss
- Extensional damping



PRODUCT SPECIFICATIONS

Colour	UOM (kg)	Density (dry)	Service temp range (max short term)	pH	Chemical resistance				Coating thickness (dry film)		
GREY (STANDARD)	20 kg PAIL	1.6 g/cm³	-40°C to 120°C	8	UV excellent	water very good	petrol good	diesel good	steel ≥ 1.0 x T	aluminium ≥ 0.5 x T	FRP (laminates) ≥ 0.3 x T
	300 kg DRUM										

Note

1. T= Substrate Thickness.

2. Can be applied up to 6 mm wet film per coating session without slumping. Typically, Decidamp is built up over two sessions of 3 mm wet coats allowing 20-40 minutes between each application.

3. Typically, a 3 mm thickness coating dries within 3-4 hours and a 6 mm thickness coating dries within 24 hours, at 35°C and relative humidity of 55%. For best results, allow the compound to dry naturally as force drying may result in cracking of coat. Decidamp will fully cure within 2-3 days. In humid environments, Decidamp will take longer to cure. In environments greater than 70% humidity, the application rate and curing time will vary.

4. Decidamp SP150 and substrate temperatures need to be greater than 10°C during application.

5. To achieve a desired dry film thickness, provision for material shrinkage of up to 15% on average should be included when applying wet coating.

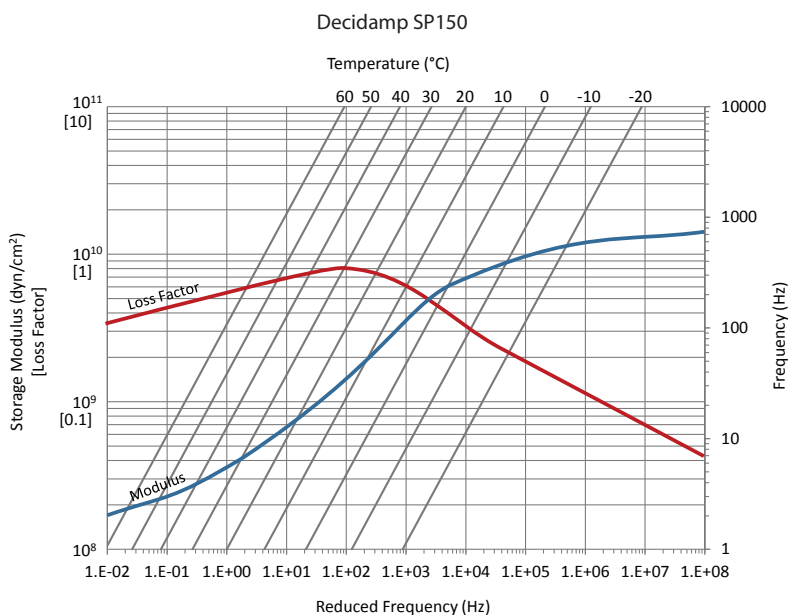
Storage: Store between 10°C - 45°C

Shelf Life: 24 months from receiving goods (stored under recommended conditions).

MATERIAL PROPERTIES

Test Method	Property	Report No.	Results
Brookfield Viscosity	Brookfield Viscosity T-D spindle 1 RPM	20216BD	200x10 ³ to 400x10 ³ cP
IMO FTP Annex 1 Part 5	Surface flammability	363367	Complies for Bulkhead, walls and ceiling linings.
IMO FTP Annex 2	Smoke and toxicity	363367	
MED B	EC Type Certificate (Module B) for Marine Equipment Directive	164.112/1121/EWC MED0478TE	
MED D	EC Type Certificate (Module D) for Marine Equipment Directive	MEDD00000UK MEDD00000R4	Complies

ACOUSTIC PERFORMANCE



Tested to ISO 6721-5:1996

Report Number: 12716AR2

How to read a reduced frequency nomogram:

1. Start by selecting the frequency (Hz) on the right-hand vertical axis.
2. Follow this value horizontally to the left to where the diagonal temperature isotherm intersects.
3. Draw a vertical line through the frequency and isotherm intersection, find the point where this line intersects the modulus and loss factor curves.
4. Draw horizontal lines from these points to the left-hand vertical axis to read the values.

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 or mechanical engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek NC 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. DISCLAIMER: This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See www.pyroteknc.com/disclaimer.

