

SOUNDPAINT® SP150

Water Based Vibration Damping Compound



SOUNDPAINT® SP150 is fast drying, high solids water based viscoelastic vibration damping compound. The unique formulation outperforms other similar compounds. The exceptional vibration damping properties are complemented by ease of use, environmental friendliness and low combustibility (dry film).

SOUNDPAINT® SP150 is a thixotropic paste. SOUNDPAINT® SP150 is specially designed for trowel, brush, roll-on and air-gun spray applications. Once dry the cured film is UV resistant, water resistant and chip resistant.

SOUNDPAINT® SP150 is IMO A653-16 compliant.

Unlike most damping materials, SOUNDPAINT® SP150 is a low-density product. The dry film is light in weight without compromising high damping performance. Consequently, this material is recommended for weight sensitive applications. eg. Aircraft, marine and automotive applications.

Vibration is absorbed by combining viscous, (energy dissipation) and elastic, (energy storage) characteristics. Vibration energy is absorbed within the material and converted to heat.

SOUNDPAINT® SP150 effectively reduces resonant vibration. Increased transmission loss results from the reduction of panel coincidence and panel resonance effects.

FEATURES

- Non-sag formulation (thixotropic)
- IMO A653-16 compliant
- Excellent adhesion even to aluminium
- Cures to a hard chip resistant finish
- Non toxic
- Waterproof
- UV resistant
- Environmentally friendly
- Ignition retardant
- Broad temperature and frequency range
- Sprayable, air gun spray or airless spray
- Available with non slip surface texture
- Paintable

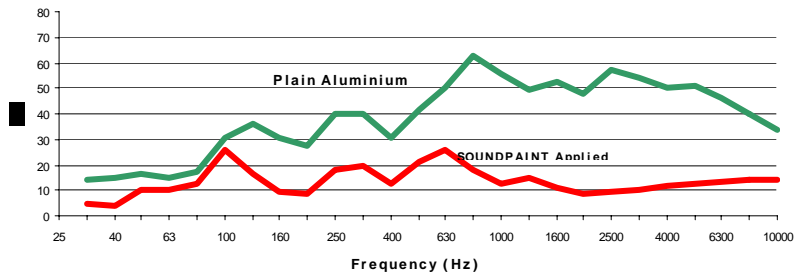
APPLICATIONS

- Boat hulls, ceilings, decks and bulkheads
- Machinery and Equipment enclosures
- Automotive
- Machinery guards
- Stainless steel fabrications e.g. sinks, bowls
- Dishwashers
- Hospital equipment
- Metal Deck Roof and Metal Wall cladding
- Whitegoods.
- Truck or bus underbodies,
- Heavy earthmoving equipment
- Metal floors.

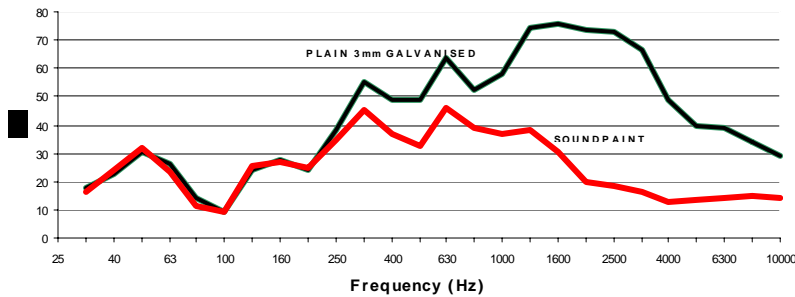
BENEFITS

- Tested to International Marine Fire Standards
- Water based, easy application and clean up
- Reduces resonant vibration
- Minimum weight for maximum performance
- Excellent flame resistance
- Easy to install
- Suitable for outdoor exposure
- Eliminates tinniness and ringing
- Increases panel transmission loss
- Ideal for weight sensitive applications
- Extensional damping

6mm Aluminium coated with 6mm Soundpaint



3mm Galvanised Steel with 3mm SOUNDPAINT



SPECIFICATIONS

STANDARD PRODUCT	STANDARD PACK SIZES	WEIGHT
SOUNDPAINT SP150-015	15 litres	20kg
SOUNDPAINT SP150-200	200 litres	300kg

FLAMMABILITY PROPERTIES

MATERIAL	MVSS-302	SAEJ369a	IMO A653.16
SOUNDPAINT SP150	SE*	SE*	Complies

* Self Extinguishing

MISCELLANEOUS PROPERTIES

MATERIAL	COLOUR	SPECIFIC GRAVITY	RECOMMENDED OPERATING TEMP RANGE	SERVICE TEMP RANGE
SOUNDPAINT SP150	DARK GREY	1.8 – 2.0 (Dry Film)	0°C to 60 °C	-40°C to +160°C

CHEMICAL RESISTANCE

MATERIAL	UV	H ₂ O	PETROL	DIESEL	10% HCL SOLUT.	10% NaOH Solution
SOUNDPAINT SP150	Excellent	Excellent	Good	Good	Good	Good

COATING THICKNESS (WET FILM)

SUBSTRATE	IMPACT EXCITATION	STEADY VIBRATION
Aluminium	≥ 0.5 x T	≥ 0.7 x T
Steel	≥ 0.7 x T	≥ 1.4 x T
Plastic	≥ 0.3 x T	≥ 0.5 x T

Note:

1. T = Substrate Thickness.
2. Maximum 3mm wet film per coat. Allow each coat to dry before the next application.
3. Drying time at 20°C for 3 mm thickness coating is approximately 24 hours.

Application Temperature:

Apply SOUNDPAINT SP150 at temperatures above 15°C
Metal Temperatures need to be greater than 10°C

Storage: Store above 10°C

Shelf Life: 12 months in an unopened container.

ASSOCIATED DOCUMENTS

Installation Instructions

APPLICATION GUIDE SOUNDPAINT SP150

Material Safety Data Sheets

MSDS SOUNDPAINT SP150

WARRANTY: The goods are warranted by the manufacturer against defective workmanship and materials. Its obligations pursuant to this express warranty being limited to the repair or replacement of the defective goods or materials as its option. Services supplied by the company are expressly warranted to be rendered with due care and skill. To the extent permitted by law, all implied conditions and warranties, other than those implied by the Trade Practices Act, are expressly excluded.

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NOTES: Specifications are subject to change without notice.

The data listed in this data sheet are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.

The conclusions drawn from acoustic test results are as interpreted in writing by qualified independent testing authorities. Even so always seek the opinion of your own acoustic engineer as to the meaning of any data presented by the manufacturer as it is applied to any given project or use.

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Distributor



www.soundguard.com.au

AUSTRALIA
1300 136 662
+61(0)2 8868 2088

CHINA
+86(0)755 8601 6743

NEW ZEALAND
0800 266 878 427
+64(0)9 272 2056

TAIWAN
+886 7 224 8222

USA
+1 509 926 6212

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SILENTSTEP® SOUNDAMP® SUBDUE® SORBERFOAM® SORBERTEX® SORBERFLEX®**

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