



## Soundac® PU-D anti-drumming paste

### Sandwich anti-drumming of horizontal and non-horizontal surfaces

Soundac® PU-D is a two component polyurethane designed for sandwich anti-drumming of steel and aluminium surfaces and very well suited for application on e.g. bulkheads and ship decks. We have a special type for horizontal surfaces and a type for non-horizontal surfaces.

Soundac® PU-D is commonly applied as anti-drumming and raising the sound insulation of horizontal (PU-D20) and non-horizontal (PU-D30) surfaces and reduces noise generated by vibrations in machines and structures.

#### Description

Soundac® PU-D viscoelastic anti-drumming paste is a special developed polyurethane polymer that combined with steel or aluminum forms a sandwich construction that achieves high loss factors in a wide temperature and frequency range. The noise level as a result of structure borne noise is greatly reduced.



Soundac® PU-D30 applied on a ship hull

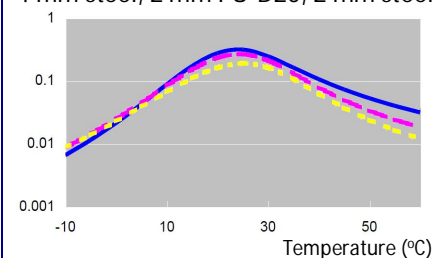
#### Properties

- Anti-drumming
- High loss factor
- Various types of packaging
- IMO-certificate for ship building

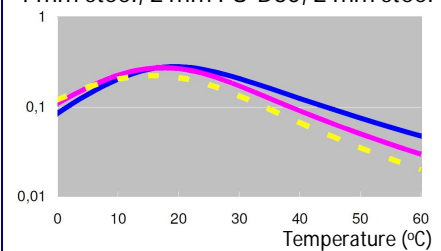


#### Loss factor

4 mm steel, 2 mm PU-D20, 2 mm steel

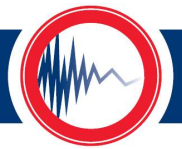


4 mm steel, 2 mm PU-D30, 2 mm steel



#### Frequency

- 200 Hz
- 500 Hz
- 1,000 Hz



## Converting

Aluminium and stainless steel surfaces have to be treated with a wash primer. Steel needs to be treated with a corrosion resistant treatment and sandblasted when needed.

### Soundac® PU-D20 – horizontal surfaces

Mix the A en B component thoroughly. The pot life after mixing is approx. 30 minutes. Pour after mixing the Soundac® PU-D20 and even it on the subsoil. Apply the counter sheet in the wet compound.

### Soundac® PU-D30 – non-horizontal surfaces

Mix the A en B component thoroughly. The pot life after mixing is approx. 30 minutes. Apply the Soundac® PU-D30 after mixing with a spatula on the subsoil. Apply the counter sheet in the wet compound.

## Safety

The B component contains isocyanides or the MDI type. Personal protection: gloves and safety goggles. If the product comes in contact with the eyes, rinse directly with copious volumes of clean water and seek medical attention. If the product comes in contact with the skin, rinse directly with water and soap or alcohol. Ventilate the area of application properly.

## Characteristics

- Type material Polyurethane
- Base colour Light brown
- Density 1,350 kg/m<sup>3</sup> (PU-D20)  
1,600 kg/m<sup>3</sup> (PU-D30)
- Solid content 100%
- Solvent Free of solvents
- Operating temperature -20°C to ca. +80°C
- Application temperature +15°C to ca. +23°C
- Pot life @ 15°C to ca. 23°C 12 months (unopened)  
Ca. 30 minutes (opened)
- Min. storage temperature 0°C
- Drying time @ +20°C 8 hours, max. anti-drumming  
After 5 days.

