

Noxudol 3101



Waterborne sound damping paste

General

Noxudol 3101 is a waterborne viscous, elastic sound damping paste based on polymers, developed for users who have high demands on fire safety. Due to its viscous elastic flexibility it converts sound producing resonance into heat. The material holds very good adhesive qualities and it is water-resistant when hardened. Noxudol 3101 contains anti corrosives and even give some protection against condensation. The product has a high damping factor despite low weight/unit area (approx. half the weight compared with traditional bitumen carpets).

Range of application

Noxudol 3101 is a sound damping paste intended for metal and plastic in thicknesses between 0,5 - 5,0 mm, like car bodies, ships' hulls, ventilating ducts etc. The product effectively eliminates disturbing sounds.

Package

39410408 / 20-lit can
39410751 / 208-lit barrel

Instruction for use

Noxudol 3101 should only be applied on carefully cleaned surfaces. Untreated surfaces of steel in moist environment and amphoteric metal surfaces such as unalloyed aluminium, zinc etc. which can react with bases must be primed before treatment to ensure good adhesion. Apply the material with a high-pressure pump (airless) 1:26>, sprayer or roller. It is important to switch off the pressure when not spraying. Max. interruption with pressure on, 1 minute. After switching off, the pressure in the hose must also be let out by the pistol gun; otherwise the material will pack in the hose and be very difficult to remove. The pistol gun ought to be front mounted, the hose reasonably wide and the nozzle as large as possible.

To achieve an effective resonance and sound damping, apply a smooth layer of 1,0 - 2,0 mm wet film, the thickness depending on the basis. The film thickness will also influence the drying time, normally 6-8 hours at room temperature. At lower temperatures or high humidity the drying time will increase considerably.

The product sets in two steps. First the water evaporates, and then a chemical hardening takes place during the next 7-14 days, depending on the temperature. After the first step, the evaporation, the film is dry, manageable and already has a sound damping effect of approx. 80%. This effect increases during the chemical hardening. Only after the film has hardened (7-14 days) Noxudol 3101 is water and frost resistant and can then also be top coated with most paint. A practical test has to be done first on a smaller area to make sure that the paste withstands the paint.

Technical data

Colour:	Beige
Consistency:	Thixotropic paste
Type of film:	Solid after drying
Density:	1090 ± 30 kg/m ³
Dry content:	64 ± 2 %
Film thickness:	1,0 - 2,0 mm wet film/application
Application temperature:	15 - 25° C
Removal with:	Water, if it isn't dry
Spray nozzle airless:	> 0,025
Dilution:	Water
Consumption of material:	1,5 – 4 kg/m ²
Dry film heat resistance:	Max 100° C
Moisture pickup:	3% according to STD 1027, 3375
Storing time:	12 months
Storing temperature:	5 - 35° C

For further information we recommend the safety data sheet or instruction on package