

Noxudol 3100

Sound deadening compound

General

Noxudol 3100 is a waterborne viscous, elastic sound deadening paste based on polymer. Due to its viscous elastic flexibility it converts sound producing resonance into heat. Noxudol 3100 should preferably be applied with sprayer, but could be painted on or applied by roller. **Noxudol 3100** has very good adhesive qualities and is water-resistant when hardened. Contains anti corrosives and even gives some protection against condensation. **Noxudol 3100** has a high sound deadening factor despite low weight/unit area. Approx. half the weight compared with traditional bitumen carpets. **Noxudol 3100** has a high abrasion resistance.

Range of application

Noxudol 3100 is a sound deadening paste intended for metal and plastic in thickness between 0,5-5,0 mm, like car bodies, ships' hulls, ventilating ducts etc. The product effectively eliminates disturbing sounds.

Instructions for use

Noxudol 3100 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. To apply 3100, use either a small spray gun with 1-lit plastic container normal air pressure or a bigger high-pressure pump, type Graco King. When using a high-pressure pump it is very 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 needle as large as possible. To achieve an effective resonance and sound deadening, apply a smooth layer of 1,0-2,5 mm dry film, the thickness depending on the basis. If thicker film is desired we suggest application in two layers. The film thickness will also influence the drying time, normally 6-12 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 deadening effect of around 80%. This effect increases during the chemical hardening. Only after the film has hardened (7-14 days) Noxudol 3100 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

Type of film:	solid after drying	Film thickness:	1,0 - 2,5 mm dry film / applic.
Colour:	beige	Consumption of material:	1,5-4 kg/m ²
Density:	990±30 kg/m ³	Storing temperature:	+2-+30° C
Dry content:	64± 2%	Storing time:	12 months
Flash point:	> 100° C	Dry film heat resistance:	Max 100°C.
Cleaning and dilution:	water	Abrasion resistance:	Tested at 800 ym, 23°, 5 h with coarse gravel according to "Daimler Benz steinschlag prüf gerät" without puncture.
Applying method:	Sprayed, painted or rolled		
Applying temperature:	16-30° C		
Spray nozzle airless:	0,025-0,045		