PROTECTING

DINITROL 449

Water-based underbody coating for extra strong corrosion inhibition

DINITROL 449 is a waterbased, bitumen based underbody and stonechip coating with good corrosion protection and sound deadening properties.

- » Excellent stonechip resistance
- » Can be processed together with DINITROL 977
- » Extra long-term corrosion inhibition
- » Changes colour while drying
- » Long service life

Equipment

DINITROL Spray Tool UBS 1-P
Art. No. 1700700

DINITROL Pump unit for 20 L Pails
Art. No. 1705100

DINITROL SPRAY TOOL UBS/HR GSI
Art. No. 1701900

DINITROL Airless Pump 1:26
Art. No. 1705900

DINITROL 449

Art. No.	Size	Package	Color
11538	1 L	Can	Black
11539	20 L	Pail	Black
11567	60 L	Drum	Black
11566	208 L	Drum	Black

a brand of DINOL

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DINITROL 449

Technical Details

Product descriptions
DINITROL 449 is a bitumen-emulsion based product, offering very high mechanical resistance and corrosion prevention. It can be used together with DINITROL 977 in a two-layer application.

Applications
DINITROL 449 is applied as anti-corrosion, underbody and stone chip protection on e.g. chassis, wheel-housings and side-skirts of cars, trucks and coaches in:

- Automotive industry;
- Bus & coach construction;
- Trailer construction;
- Garages, workshops;
- Body repair shops;
- Metal industry;
- Ship constructions

In general the product adheres very well (without special pre-treatment) on a wide range of clean, dry, dust- and grease free substrates.
The product can be applied in a two layer application together with DINITROL 977.
In that case, the surface can be lightly corroded or moist but loose corrosion shall be removed before application. It is always advisable to perform an adhesion test on the materials involved.

Method of use
Shake before use or stir the product thoroughly. DINITROL 449 can be applied with light airless spray equipment or by means of an airmix pistol or with an airmix gun at an airpressure of 2 – 5 bar. Optimum spraying distance is about 20 – 30 cm. Depending on the application the product can be thinned with water. The product can be sprayed haze free and does not drip. Contaminated surfaces and contaminated equipment can be simply cleaned in “fresh” condition with water.
Stir before use!

Pre-treatment Substrates
The surfaces to be applied shall be as clean, dry and free from corrosion as possible. Some humidity and corrosion is acceptable.

Over-Coating / 2-Layer-Application
DINITROL 449 can be overapplied with DINITROL 977 in a 2-layer system. DINITROL 449 is not overpaintable with paints.
For additional information, please consult DINOL GmbH.

Storage
The product shall be stored at 10-30°C. When the product is stored cool and dry, it will have a shelf life of at least 1 year when stored in unopened original packages.

Safety precautions
Additional information can be found in the safety data sheet.

Transportation
Additional information can be found in the safety data sheet.

Technichal Data

Basic material	Aqueous synthetic dispersion, bitumen, water, fillers, emulsifying agents and additives
Consistency	Viscous
Curing/setting method	Emission of water/coalescence
Specific density (20°C), DIN 51757	Approx. 1.21 kg/litre
Cleaning with	Water (fresh), mechanical, solvent (cured)
Thinner	Water
Solid content (DIN 53216) (3 hours at 120°C)	Approx. 70%
Viscosity (20°C) (Brookfield RVT, Sp 5, V=0.5)	Approx. 130 Pas
Temperature resistance (cured)	– 30 °C till approx. + 120 °C
Resistant (20°C)	Cured water, salt spray, oil, soft bases & acids
Usage	± 0.6 kg/m^2 (500 µm wet layer)
Dry to touch (at ± 20 °C, 65 % RH)	Approx. 90 minutes (500 µm wet layer)
Completely dried (20 °C, 65 % RH)	Approx. 7 days (± 500 µm wet layer)
Salt spray test (DIN 50021)	1000 hours (at 400 µm dry layer)
Stonechip (internal) test, 2 bar, 2 mm grit	Approx. 6 minutes (at 400 µm dry layer)
Bending test (DIN 53152, +70°C)	No cracks, no loss of adhesion
Bending test(DIN 53152, -30°C)	No cracks, no loss of adhesion
Adhesion	No various metal surfaces
Colours (standard)	Black
Packaging	On request

For all relevant safety advices please read the material safety data sheet or the packaging label.