PROTECTING

DINITROL 977

Waterbased Universal Protection

DINITROL 977 is a semi-transparent, waterbased liquid anti corrosion coating for the protection of cavity areas in cars, trucks, coaches and other objects or places where a rust preventative surface is needed.



- » Water-based, environmentally friendly
- » Very low VOC
- » Good penetration
- » Odourless
- » Film virtually non-sticky
- » Existing residual corrosion is stabilized or passivated, thus significantly extending the corrosion protection with just one coating





Equipment

DINITROL Spray Tool HS 1-P
Art. No. 1700500

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 977

Art. No.	Size	Package	Color
11540	1 L	Can	Beige
11572	25 L	Pail	Beige
11565	60 L	Drum with plastic inliner	Beige
11557	190 L	Drum with plastic inliner	Beige

a brand of DINOL

DINOL GmbH Pyrmonter Straße 76, D-32676 Lügde, Germany
Tel. +49 (0) 5281-98 2 98-0, Fax +49 (0) 5281-98 2 98-60, www.dinol.com

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All data and recommendations are the result of careful tests by our laboratory. They only can be considered as recommendation which corresponds to the level of experience of today. The data are given in good faith. However, in view of the multiplicity of possible application and working methods we are not in a position to assume any responsibility or obligations deriving from the misuse of our products. Therefore, a contractual legal relationship is not justified, and there are no secondary obligations arising from any purchase contracts.

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Technical Details

Product description
DINITROL 977 is a semi-transparent, water-based liquid anti corrosion coating for the protection of cavity areas in cars, trucks, coaches and other objects or places where a rust preventative surface is needed. The product is water-repellent and has very good penetrating properties. After drying remains a wax coating which has a good temperature resistance up to ca. +120°C and is almost tack free. When dried DINITROL 977 is heated by sun or by engine-heat, it does not have the typical smell of conventional cavity-waxes.

Applications
DINITROL 977 is applied as anti corrosion coating to protect cavity areas like doors, bonnets, cross members, reinforcements etc. in cars, trucks and coaches or as universal anti corrosion product for machines, machine parts and other tools. The product is also an excellent general anti corrosion product in:

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

Method of use
Shake before use or stir the product thoroughly. The surfaces to be treated shall be free from loose corrosion but corroded surfaces, light moist surfaces and light oily surfaces can be applied. DINITROL 977 can be applied with light airless spray equipment or by means of an airmix pistol with an airpressure of 2 – 5 bar. If necessary the product can also be dipped. 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 filthy equipment can be simply cleaned in "fresh" condition with water. DINITROL 977 can be used together with DINITROL 958 in a two layer application. When this is done, the film thickness of DINITROL 977 shall be not more than 50 microns wet. Recommended application and product temperature is 15 – 30°C.
Stir before use!

Technical Data

Colour (standard)	transparent beige
Consistency	liquid
Curing/setting method	Evaporation of water / coalescence
Viscosity at 20°C	approx. 300 mPas
Basic material	Water, waxes, emulsifying agents and additives
Specific gravity (20°C), DIN 51757	approx. 1.0 kg/litre
Cleaning with	Water (freshwater), Mechanical, solvent (cured)
Thinner	Water
Solid content (DIN 53216) (3 hours at 120°C)	approx. 42 %
Temperature resistance (cured)	-30°C till +120°C
Resistant (20°C), cured	Water, salt spray, oil, light bases & acids
Usage	± 0,05 kg/m² (50 µm wet layer)
Dry to touch (20°C, 65% RH)	1-2 h at 100µm Wet film
Completely dried (20°C, 65% relative humidity)	6-12 h
Salt spray test (DIN 50021)	> 1000 hours, Ri 0 at 100 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	On various metal surfaces
Packaging (others on request)	On request

Pre-treatment Substrates
Surface shall by dry and clean. Some corrosion on the surface is no problem.

Over-Coating / 2-Layer-Application
DINITROL 977 can, when applied max. 25 microns wet film, be over-applied with DINITROL 958. 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 2 years 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.

Hazards identification
2.1. Classification of the substance or mixture
GB CLP Regulation
Skin Irrit. 2; H315; Eye Irrit. 2; H319

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

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