

DINITROL 977

For cavities and open surfaces

Characteristics:

- Waterbased, environmental friendly
- Very low VOC
- Good corrosion resistance
- Good penetration
- Low odour
- Film almost tack free

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. 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 air-mix pistol with an air-pressure 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 449 in a two layer application. When this is done, the film thickness of DINITROL 977 shall be not more than 50 microns wet. Shake or stir the product before use.

Die in diesem Merkblatt gemachten Angaben sind das Ergebnis sorgfältiger Untersuchungen. Soweit sie sich auf die Anwendung beziehen, sind sie als Empfehlung zu betrachten, die dem Erfahrungsstand entsprechen. Wegen der Vielseitigkeit der Anwendungs- und Arbeitsweisen können wir jedoch eine Verbindlichkeit nicht übernehmen. Es wird daher ein vertragliches Rechtsverhältnis nicht begründet, und es entstehen aus eventuellen Kaufverträgen keine Nebenverpflichtungen.

All data and recommendations are the result of careful tests by our laboratories. They only can be considered as recommendation which correspond 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 use of our products.

DINOL GmbH
Pyrmonter Str. 76
D-32676 Lügde
Telefon:
+49 (0) 52 81 / 9 82 98-0
Telefax:
+49 (0) 52 81 / 9 82 98-60
E-Mail:
service@dinol.com

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Technical properties:

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

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Corrosion Protection Corrosion Protection

Storage Stability:

The product is frost sensitive and may not be stored under 0°C and above +35°C. The packaging must be protected from direct sunlight and heat. Cool and moisture free stored the product is tenable for a maximum of 1 year in the unopened original packaging.

Safety Precautions:

Consult our latest safety data sheet for details.

Transport Classification:

Consult our latest safety data sheet for details.

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

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