

DINITROL 977

Waterbased Universal Protection

DINITROL 977 is a semi-transparent, waterbased liquid anti corrosion coating for the protection of cavity areas and open surfaces on objects where a waterborne corrosion prevention is preferred.

» **Water-based, environmentally friendly**

» **Very low VOC**

» **Good penetration**

» **Odourless**

» **Film virtually non-sticky**



Equipment

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

DINITROL Spray Tool UBS/HR GSI
Art. No. 1701900

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

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 liner | Beige |
| 11557 | 190 L | Drum with plastic liner | Beige |

DINITROL 977

Technical Details

Product description

DINITROL 977 is a semi-transparent, water-based liquid anti corrosion coating for the protection of cavity areas and open surfaces on all objects where a waterborne corrosion prevention is preferred. 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:

- General industry
- Cranes
- Windmills
- Agra equipment
- Construction equipment
- 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!

Pre-treatment Substrates

Surface shall be 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.

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/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% 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 |