DINITROL 410 UV NF

Reliable 1-component polyurethane long-term adhesive and sealant

DINITROL 410 UV NF is used for bonding and sealing in a range of industrial areas, such as bus, trucks and caravan construction and shipbuilding. The material adheres well to primed and lacquered metals, duroplastics (GFR, plastics, hard PVC), wood and glass.

- » Reduced preparation and processing times
- » Excellent UV stability and weathering resistance
- » Saves pre-treatment costs, as adhesion promoters are not are not required on many substrates
- » High acceptance due to user-friendly handling and high-quality finish

Equipment

INDUSTRIAL NITRILE GLOVES XL 10-P
Art. No. 1734100

DINITROL 410 UV NF

Art. No.	Size	Package	Color
12648	300 ml	Cartridge	Black
12649	300 ml	Cartridge	Grey
12650	300 ml	Cartridge	White

Art. No.	Size	Package	Color
12657	600 ml	Foilwrap	Black
12658	600 ml	Foilwrap	Grey
12659	600 ml	Foilwrap	White
12677	230 kg	Drum	White

a brand of DINOL

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DINITROL 410 UV NF

Technical Details

Characteristics
DINITROL 410 UV NF is a 1-component polyurethane sealing and bonding compound with good resistance and UV stability. The sealer is quick-drying and elastic, and can be coated with most lacquers. 2-C acrylic lacquers can be applied in a wet-on-wet process. Paints containing alcohol and alkyd resin impair hardening.

Application
DINITROL 410 UV NF is used for bonding and sealing in a range of industrial areas, such as bus, trucks and caravan construction and shipbuilding. The material adheres well to primed and lacquered metals, duroplastics (glass fibre reinforced plastics, hard PVC), wood and glass. It is suitable for sealing overlapping and expansion joints in visible interior and exterior areas in commercial vehicle construction. We recommend performing an adhesion test prior to application to complex substrates.

Surface pre-treatment
The surface to be treated must be clean, dry and free of dust, oil and grease. For cleaning dirty substrates, please use DINITROL 582 / 580. For further information on the use of DINITROL pretreatment products, please refer to our technical data sheets or the DINITROL pre-treatment table.

Method of use
We recommend applying the adhesive-sealant using a commercially available applicator gun (e.g. DINITROL Mastertool). For easy application, apply the adhesive at room temperature. Warmer temperatures and increasing humidity shorten or colder temperatures and lower humidity lengthen the open time. This product is suitable for experienced users only. Pre-tests are required for special applications.

Overpaintability
After curing, DINITROL 410 UV NF can be overpainted with most lacquers. Preliminary tests are necessary.

Occupational safety regulations
Before using DINITROL products we recommend to read the corresponding Material Safety Data Sheet (MSDS) of the products. The user will find necessary information for safe processing, storage and disposal of chemical products and the MSDS contains physical, toxicological as well as other safety relevant facts.
Further information
- Safety Data Sheet
- Pre-treatment table

Technical Data

Colours	white, grey, black
Raw material base	Polyurethane, pre-polymer
Flow (2.6 mm/ 2.8 bar 20°C)	40 – 60 g/min cartridge
Density (20°C)	~ 1.2 g/ml
Processing temperature	+ 5 °C to + 35 °C
Temperature resistance	– 40 °C to + 90 °C (short-term to 120 °C)
Resistance (cured)	water, salt water, diluted acids and alkalis, aqueous cleaner
Short-term resistance	petrol, grease and mineral oil
Hardening	hardens upon contact with air humidity
Film formation time	~ 30 min. (at 23°C / 50% RT)
Surface drying	~ 2.5 h (tack free)
Hardening speed	~ 3 mm per 24 h (at 23 °C / 50 % r.h.)
Shore A hardness	> 45
Tensile strength (DIN 53504)	1,4 N / mm^2
Tear propagation resistance (DIN 53504)	~ 8 N mm
Elasticity (DIN 53504)	400 %
Modulus of elasticity (DIN 53504)	100% ~ 1.0 N/mm^2 after 24 h
Cleaning	Non-hardened material: Petroleum spirit Hardened material: Can only be removed mechanically.
Storage time	Between 15°C and 25°C 12 months 12 months cartridges / 12 months foil-wraps 6 months hobbocks / drums
Available in	310 ml cartridge / 400 ml / 600 ml foil-wrap / 20 l hobbock / 60 l hobbock / 208 l drum

Hazards identification
2.1. Classification of the substance or mixture
GB CLP Regulation
Resp. Sens. 1; H334

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