DINITROL 410 UV NF

Mechanical strength on a high level

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 set-up and process times
- » Good UV stability and resistance to weather
- » Long term reliable sealant
- » More acceptance by userfriendly handling and high quality finish

Equipment

FOIL-WRAP TOOL PN 600 ml
Art. No. 1715600

MILWAUKEE TOOL 18V CORDLESS 1-P
Art. No. 1731900

MILWAUKEE TOOL 600 ML ADD-ON SET 1-P
Art. No. 1732000

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.

Areas of 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 carrying out an adhesion test before applying to complex substrates.

Special primers/Adhesion promoters
- Plastic primer
- Zinc or aluminium primer
- Wood primer
- Glass primer

Method of use
DINITROL 410 UV NF is used at room temperature. The surface to be treated must be clean and free from dust, oil and grease. To clean contaminated substrates please use DINITROL 582. For cartridges and tubular bags, standard supply guns can be used. Dimension and thickness of the adhesive beat depend on the max. stress due to the move inside the bonded joint. The curing of the DINITROL 410 UV NF depends on the dimension of the joint, air humidity and temperature.

Lacquer coating
2-C acrylic paints, elastic paints (latex paints, water-soluble acrylic paints). Water-soluble paints should be tested for suitability beforehand. Alcohol-based paints or alkyd resin paints impair hardening and may only be used on completely hardened sealing compound. In order to prevent the formation of blisters at higher temperatures, make sure the sealer is completely hardened. Expansion joints must only be coated with elastic paints. Concerning nitro cellulose paints, a suitability test must be carried out prior to application.

Technical Data

Colours	white, grey, black, RAL on request
Raw material base	Polyurethane, pre-polymer, dries by air humidity
Consistency	paste
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)	**long-term:** water, salt water, diluted acids and alkalis, aqueous cleaner **short-term:** petrol, grease and mineral oil
Cleaning	Non-hardened material: Petroleum spirit Hardened material: Can only be removed mechanically.
Skin 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 (DIN 53505)	> 45
Tensile strength (DIN 53504)	1,4 N / mm^2
Tear propagation resistance (DIN 53504)	~ 8 N mm
Elongation at break (DIN 53504)	400 %
Modulus of elasticity (DIN 53504)	100% ~ 1.0 N/mm^2 after 24 h
Storage time	Between 15°C and 25°C 12 months Note: Seal opened packages immediately after use

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