

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.

NEW FORMULATION · NEW FORMULATION · NEW FORMULATION

➤ Reduce set-up and process time

➤ Good UV stability and resistance to weather

➤ Save priming costs and long term reliable seals

➤ More acceptance by userfriendly handling and high quality finish



BONDING & SEALING

EQUIPMENT

FOIL-WRAP TOOL PN 600 ml

Art. No. 1715600



MILWAUKEE TOOL 18V CORDLESS 1-P

Art. No. 1731900 (not illustrated)

MILWAUKEE TOOL 600 ML ADD-ON SET 1-P

Art. No. 1732000 (not illustrated)

INDUSTRIAL NITRILE GLOVES XL 10-P

Art. No. 1734100 (not illustrated)

DINITROL 410 UV NF

| Art. No. | Size | Package | Color |
|----------|--------|-----------|-------|
| 12648 | 300 ml | Cartridge | Black |
| 12649 | 300 ml | Cartridge | Grey |
| 12650 | 300 ml | Cartridge | White |
| 12657 | 600 ml | Foilwrap | Black |
| 12658 | 600 ml | Foilwrap | Grey |
| 12659 | 600 ml | Foilwrap | White |

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 carrying out an adhesion test before applying to complex substrates.

SPECIAL PRIMERS

- 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.

Applied DINITROL 410 UV NF can be smoothed very good by the help of DINITROL 300.

For cartridges and tubular bags, standard supply guns can be used. Dimension and thickness of the adhesive bead 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 PROPERTIES

| | |
|---|---|
| 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 | ~ 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 |
| 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 |
| Cleaning | Non-hardened material: Petroleum spirit Hardened material: Can only be removed mechanically. |
| 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.