

# DINITROL<sup>®</sup> 410 UV

## 1 Component Polyurethane Sealing and Bonding Compound

### Characteristics:

DINITROL 410 UV 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 paints impair hardening.

### Application:

DINITROL 410 UV is used for bonding and sealing in a range of industrial areas, such as bus, goods vehicle 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 is used at room temperature.  
The surface to be treated must be clean and free from dust, oil and grease.  
For cartridges and tubular bags, standard supply guns can be used.

### 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.

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 recommendations 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.

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Technical Data Sheet  
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# DINITROL® 410 UV

1 Component Polyurethane Sealing and Bonding Compound

Bonding & Sealing

## Technical data:

Colour:	White, grey, black
Raw material base:	Polyurethane, pre-polymer
Flow: (2.6 mm / 2.8 bar 20°C)	40 – 60 g/min cartridge
Density:	~ 1.26 g/ml
Processing temperature:	+ 5°C to + 35°C
Temperature resistance:	- 40°C to + 90°C, (short-term to 120°C)
Resistance:	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:	~ 25 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:	> 40
Tensile strength (DIN 53504):	2.2 N / mm <sup>2</sup>
Tear propagation resistance (DIN 53504):	~ 8 N mm
Elasticity (DIN 53504):	600%
Modulus of elasticity (DIN 53504):	100% ~ 1.0 N/mm <sup>2</sup> after 24 h
Cleaning:	Non-hardened material: Petroleum spirit Hardened material: Can only be removed mechanically.
Package size:	310 ml cartridge 400 ml / 600 ml tubular bag
Storage time:	Between 15°C and 25°C 12 months cartridges, 9 months tubular bags

Note: Seal opened packages immediately after use.

Please refer to the safety data sheet or packaging label for safety instructions.

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