

DINITROL® 410 UV PLUS

1-Component Polyurethane Sealing and Bonding Compound

Characteristics:

DINITROL 410 UV PLUS 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. DINITROL 410 UV PLUS can be filed once hard.

Areas of Application:

DINITROL 410 UV PLUS 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:

Primers for: Plastics, zinc, aluminium, wood, glass

Method of Use:

DINITROL 410 UV PLUS 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 lacquers, elastic paints are required for expansion joints. Latex paints and water-soluble acrylic paints should be tested for suitability before application.

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 and water-soluble 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 recommendation 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:

Base:	Polyurethane, pre-polymer, dries in air humidity
Colours:	White, grey, black, RAL 1015, RAL 7013
Consistency:	Paste – excellent resistance
Density (20°C):	Approx. 1.26 g/ml
Processing temperature:	+5 to +35°C
Temperature resistance:	-40 to +90°C short-term up to +120°C
Resistance:	<u>Long-term:</u> water, waste water, salt water, diluted acids and alkalis, aqueous cleaner <u>Short-term:</u> petrol, grease and mineral oil
Film formation time:	Approx. 30 mins at 23°C / 50% r.h.
Surface drying:	Approx. 3 h (tack free) at 23°C / 50% r.h.
Complete hardening speed:	Approx. 3 mm after 24 hours at 23°C / 50% r.h.
Shore A hardness (DIN 53505):	Approx. 45
Tensile strength (DIN 53504):	Approx. 2.2 N / mm ²
Tear propagation resistance (DIN 53504):	Approx. 10 N / mm ²
Elongation at break (DIN 53504):	Approx. 600%
Modulus of elasticity:	100% ~ 1.0 N/mm ² after 24 h
Cleaner:	Petroleum spirit Hardened material can only be removed mechanically
Storage:	Cool and dry
Storage time:	When stored in cool and dry conditions between +15°C and +25°C, unopened product can be stored for 12 months (cartridge) or 9 months (tubular bag).
Important Notice:	Once open, product should be used quickly.
Delivery form:	310 ml cartridge 400 ml tubular bag 600 ml tubular bag

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

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