DINITROL 425 UV

Adhesive and sealant for universal use

DINITROL 425 UV is used for bonding and sealing in a range of industrial areas, such as bus, goods vehicle and caravan construction and shipbuilding. It offers excellent standing properties and very good UV stability, as well resistance to weather.

- » **Reduced preparation and processing times**
- » **Mechanical strength is 50% higher than that of standard PU**
- » **Excellent UV stability and high weathering resistance**
- » **High acceptance due to user-friendly handling and high-quality finish**

Equipment

DINITROL MASTER TOOL
310 ml Cartridge & 600 ml Foilwrap
Art. No. 1736500

DINITROL MASTER TOOL
310 ml Cartridge & 400 ml Foilwrap
Art. No. 1736600

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

DINITROL 425 UV

Art. No.	Size	Package	Color
12622	300 ml	Cartridge	Black
12623	300 ml	Cartridge	Grey
12624	300 ml	Cartridge	White

Art. No.	Size	Package	Color
12625	400 ml	Foilwrap	Black
12626	400 ml	Foilwrap	Grey
12627	400 ml	Foilwrap	White
12628	600 ml	Foilwrap	Black
12629	600 ml	Foilwrap	Grey
12630	600 ml	Foilwrap	White

a brand of DINOL

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DINITROL 425 UV

Technical Details

Characteristics
DINITROL 425 UV is a 1-component polyurethane sealant and adhesive with the following properties:
• Good adhesion to many substrates
• Non-labelling (isocyanate content < 0.1 %)
• Good workability (stability to flow)
• Suitable for decorative joints (easy to smooth)
• Solvent and PVC free
• Resistant to ageing and weathering
• Fast curing
• Hyperelastic
• Can be painted over after curing

Areas of application
DINITROL 425 UV is used for bonding and sealing in various industrial sectors such as bus, truck, caravan and shipbuilding. The material adheres to primed and painted metals, aluminium, hard plastics (GRP, hard PVC), wood and glass. It is suitable for sealing joints, also for visible areas, for exterior and interior use in commercial vehicle construction. Preliminary tests for substrates must be carried out.

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 pre-treatment products, please refer to our technical data sheets or the DINITROL pre-treatment table.

Application
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 425 UV 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

Color	white, grey, black, RAL on request
Base	Polyurethane, pre-polymer, dries by air humidity
Consistency	paste
Density (20°C)	approx. 1,37 g/ml
Processing temperature	+ 5 up to + 35 °C
Temperature resistance	– 40 to + 90 °C short-term up to + 120 °C
Resistance (cured)	**long-term:** water, waste water, salt water, diluted acids and alkalis, aqueous cleaner **short-term:** petrol, grease and mineral oil
Skinformation time[1]	approx. 45+/-5 min at 23 °C / 50 % r.h.
Complete hardening speed:	approx. 3 mm after 24 hours at 23°C / 50% r.h.
Hardening speed	approx. 3 mm after 24 hours at 23 °C / 50 % r.h.
Shore A hardness (DIN 53505)	45
Tensile strength (DIN 53504)	approx. 2,9 N/mm^2
Tear propagation resistance (DIN 53504)	12 N/mm^2
Elongation at break (DIN 53504)	800 %
Storage / shelf life	stored in cool and dry conditions (15°C-25°C), unopened product can be stored for 12 months
Available in	310 ml Cartridge, 400 ml und 600 ml Foilwraps

1) 23°C / 50% r.F.

Hazards identification
2.1. Classification of the substance or mixture
GB CLP Regulation
This mixture is not classified as hazardous in accordance with GB CLP Regulation.

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