

ADHESIVES AND SEALANTS ON MS POLYMER BASE

Powerful, low-emission and
versatile adhesives and sealants
with short pre-treatment time





ELASTIC, LOW EMISSION AND UNIVERSALLY APPLICABLE

Our adhesives and sealants have low emissions and can be applied quickly and easily adorn and convince with their excellent adhesion and excellent whiteness and UV resistance. Create permanent and elastic connections on the most varied of substrates – without extensive pretreatment.

Bonding offers many advantages compared to drilling. Your material is not weakened and there are no visible joining elements. You reach absolutely tight bonds with a continuous stress distribution, which also results a higher fatigue strength. You can without major pre-treatments start the application and save time and material due to the simplified application.

Our adhesives and sealants also set standards in environmental and occupational safety. Due to the Low-odor and low-emission formulas, which are also free of isocyanates and solvents, they become as well compliant with labor and environmental standards.

After a very short time, our products can be painted over wet in wet and absolutely wit resistant to aging and UV: No yellowing, none porous adhesive seams and also resistant against chemicals and salt water.

Areas of application:

- Commercial and special vehicles
- Caravans and mobile homes
- Building elements
- Mechanical engineering
- Air conditioning and ventilation construction
- Metal construction
- Device and apparatus construction
- Wind energy



More products at:
www.dinitrol.com/produktkatalog

INTENSIVECLEANER



DINITROL 580 SPECTRUM CLEANER

Transparent, quick-drying cleaner for residue-free cleaning and degreasing of substrates before bonding and sealing

Advantages

- ✓ Excellent cleaner that supports the adhesion of DINITROL adhesives & the residue-free cleaning even of heavily soiled surfaces
- ✓ Supports long-term security when using DINITROL adhesives

Use

Cleaning

- aluminum, steel, copper and brass;
- powder-coated metal;
- painted metal;
- (ceramic-coated) glass;
- GRP, ABS, PVC, PMMA, polycarbonate, polyurethane.
- Removal of uncured MS polymer-based sealants and adhesives from substrates and tools.



Art. No.	Size	Packaging	Colour
12581	1 L	Can	Transparent

ADHESIONPROMOTER



DINITROL 545 ACTIVATOR

Adhesion promoter that increases the adhesion of DINITROL bonding and sealing products on surfaces

Advantages

- ✓ Quick drying - flash-off time approx. 5 minutes
- ✓ Easy to use
- ✓ Economical consumption
- ✓ Good range of adhesion

Use

Pre-treatment

- aluminum, steel, copper and brass;
- painted metal (the compatibility of the solvent with the surface should be checked beforehand);
- (ceramic-coated) glass;
- GRP;
- ABS;
- PVC.



Art. No.	Size	Packaging	Colour
12578	100 ml	Bottle	Transparent
12592	250 ml	Bottle	Transparent

BONDING & SEALING



DINITROL 770

1-component, moisture-curing, silane-terminated polymer for sealing overlapping and expansion joints

Advantages

- ✓ Very good weather and UV resistance
- ✓ Wide range of adhesion (glass, zinc, aluminum, steel, Paints and primers, wood, mineral substrates and plastics (except PE, PP, PTFE))
- ✓ No tendency to form bubbles (CO2-free cross-linking)
- ✓ Free of solvents and isocyanates

Use

- Elastic connections and seals in bus, caravan, train and truck construction
- Elastic connections and seals in air and ventilation systems
- Sealing joints on windows, doors, etc.
- Seals in the wood and metal industry
- Sealing of GRP or aluminum profiles on painted metal panels



Art. No.	Size	Packaging	Colour
12613	290 ml	Cartridge	Black
12611	290 ml	Cartridge	White
12612	290 ml	Cartridge	Grey
12736	600 ml	Foil wrap	Black
12737	600 ml	Foil wrap	White
12739	600 ml	Foil wrap	Grey
12738	25 kg	Hobbock	White

BONDING & SEALING



DINITROL 771

Elastic adhesive based on MS polymer with high green strength, especially for semi-structural bonds and seals

Advantages

- ✓ Free of solvents, isocyanates and PVC
- ✓ Very good UV resistance and aging properties
- ✓ Good adhesion to various substrates without the use of a primer
- ✓ Permanent elasticity in a temperature range from -40 ° C to + 120 ° C
- ✓ Odorless
- ✓ Compatible with most industrial paint systems, both alkyd resin and dispersion-based
- ✓ Can be painted over after skin formation (wet on wet)
- ✓ Cures quickly

Use

- Elastic bonding and sealing in buses, trains, caravans, RVs and trucks
- Bonding of corner profiles made of aluminum or polyester on mobile homes
- Bonding polyester parts to metal frames



Art. No.	Size	Packaging	Colour
12467	290 ml	Cartridge	Black
12522	290 ml	Cartridge	White
12525	600 ml	Foil wrap	Black
12523	600 ml	Foil wrap	White



TECHNICAL DATA

DINITROL 580 SPECTRUM CLEANER

Colour	transparent
Specific density (20°C)	0.785 g/cm³
Flash point	approx. 13°C
Drying time (20°C)	approx. 3 minutes
Packaging sizes	1 l can (transparent); other containers on request

DINITROL 545 ACTIVATOR

Base	Silane-based
Colour	transparent
Solids content	approx. 8 %
Specific density (20°C)	approx. 0.76 kg/Liter
Flash point	approx. 9°C
Drying time (20°C/50% R.H.)	approx. 5 minutes – 4 hours
Packaging sizes	100 ml and 250 ml bottle (transparent)

DINITROL 770

Colour	white, grey, black
Base	Silane-terminated polymer
Curing	by moisture
Specific density (20°C)	approx. 1.6 g/ml
Skin formation time*	approx. 20 minutes
Open time*	< 15 minutes
Hardening after 24 h*	approx. 3 mm
Shore A hardness (DIN 53505)*	approx. 60
Tensile strength (DIN 53504)*	1.9 N/mm²
Tear propagation resistance (DIN 53504)*	12 N/mm
Elongation after rupture (DIN 53504)*	300%
Solvent content	0%
Socyanate content	0%
Temperature resistance	-40°C – +90°C
Application temperature	+5°C – +30°C
UV and weather resistance	good
Packaging sizes	290 ml cartridge (black, white, grey); 600 ml foil wrap (black, white, grey); 25 kg hobbock (white)
Storage (between 5°C and 25°C)	12 months: cartridges and foil wraps

* at 23°C / 50% r.h.

DINITROL 771

Colour	white, black
Base	MS polymer
Curing	by moisture
Density	approx. 1.4 g/ml
Skin formation time*	approx. 12 min.
Open time*	< 15 min.
Curing speed after 24 hours (20°C/50% r.h.)	approx. 4 mm
Shore A hardness (DIN 53505)*	approx. 60
Volume change (DIN 52451)*	< 3%
Initial strength (Physica Rheometer MC100)*	approx. 160 Pa
Tensile strength (100%) (DIN 53504/ISO 37)*	approx. 1.7 MPa
Elongation at break (DIN 53504/ISO 37)*	approx. 2.8 MPa
Elongation at break (DIN 53504/ISO 37)*	approx. 210%
Shear stress (DIN 53283/ASTM D1002)*	approx. 2.5 MPa
Tear strength (DIN 53515/ISO 34)*	approx. 14 N/mm
Modulus of elasticity (10%) (DIN 53504/ISO 37)*	approx. 4.5 MPa
Solvent content	0%
Isocyanate content	0%
Temperature resistance	- 40°C bis + 120°C
Temperature resistance (max. 20 minutes)	+ 180°C
UV and weather resistance	very good
Packaging sizes	290 ml cartridge (black, white); 600 ml wrap (black, white); other containers on request

* at 23°C / 50% r.h.



THE QUALITY SOLUTION

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