

DINITROL 501 FC-HM SQ

Moisture-reactive 1-component polyurethane adhesive

DINITROL 501 FC-HM SQ is together with the corresponding pretreatments suited to bonding applications in the production of trains, busses and trucks. Because of the excellent working characteristics and less particles, DINITROL 501 FC-HM SQ is suited also for very good gap fillings. The adhesive's high modulus property contributes remarkably to the stiffening increase of the construction.



» Solvent- and PVC-free

» Fewer particles and perfect exposed joints

» Excellent coverage and holding properties

» Resistant to ageing and weathering

» Simple positioning – windscreens do not slip out

» Provides a particularly high level of support for construction stability



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 501 FC-HM SQ

Art. No.	Size	Package	Color
12191	600 ml	Foilwrap	Black

DINITROL 501 FC-HM SQ

Technical Details

Characteristics

Together with the corresponding pre-treatments DINITROL 501 FC-HM SQ is particularly suited to bonding applications in the manufacture of trains, busses and trucks. Because of the excellent working characteristics and less particles, DINITROL 501 FC-HM SQ is suited also for very good gap fillings. The adhesive's high modulus property contributes remarkably to the stiffening increase of the construction.

Features

- good adhesion on paints
- low odour
- excellent working characteristics
- very good standing properties
- high modulus
- short cut-off string
- solvent and PVC free
- OEM approved
- ageing and weather resistant
- less particles
- Easy positioning and no sideslip of the windshield
- Highly supports construction strength

Areas of application

The application of the DINITROL 501 FC-HM SQ is done by extrusion out of drums, pails and foil wraps. The use of this product is suitable only for experienced users. Pre-tests are recommended for special applications.

Further information:

The following publications are available on request:

- Safety data sheet
- DINOL pre-treatment chart

Storage / Transport

Storage in closed packaging between 0 and 35°C. During transport the storage temperature may shortly (2 to 4 days) go below or above these limits. When this happens, the material has to be climatized at room temperature before application: Drums, hob-bocs, cartridges and foil wraps need 1 to 2 days. Single cartridges and foil wraps need 3 to 4 hours.

Technical Data

Chemical base	Polyurethane
Colour/Consistency	black paste
Cure mechanism	humidity-curing
Density (DIN 53217-4)	ca. 1'200 kg/m ³
Non-sag properties	very good
Application temperature	10°C – 40°C (product)
Skin formation time ¹	approx. 25 – 35 min.
Open Time ¹	approx. 20 min.
Rate of cure	approx. 3 – 4 mm / 24 h
Shore A hardness (DIN 53505)	approx. 65 – 75
Tensile strength (DIN 53504)	approx. 10 MPa
Elongation at break (DIN 53504)	approx. 440%
Tear strength (DIN 53515)	approx. 11 N/mm
Lab-shear-strength (DIN EN 1465)	approx. 5 – 7 MPa
G-modulus (DIN 54451)	approx. 2.5 MPa
Volume resistivity (DIN 60093)	approx. 10 ⁶ Ωcm
Glass transition temperature	approx. -40°C
Temperature resistance	long-term: < 90°C short-term (approx. 1 h): < 130°C
Shelf life (FMVSS 212/208)	Cartridge/Foil-wrap: 12 months Drum/Pail: 6 months
Available in	400 ml & 600 ml foil-wrap, 20 L pail, 200 L drum

1) 23°C / 50% rf

Hazards identification

2.1. Classification of the substance or mixture
GB CLP Regulation
Resp. Sens. 1; H334

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