

DINITROL 501 FC-HM

Humidity-curing 1-component Polyurethane adhesive

DINITROL 501 FC-HM is used together with the recommended DINITROL primers for automotive glass replacement and in vehicle construction.

- » Proven OEM technology
- » Fast curing and high modulus
- » Solvent and PVC free
- » Excellent decking and standing properties
- » Increases the torsional stiffness of the body by additional 30 – 50 %
- » Crash-test approved according to FMVSS 212
- » 1 hour safe-drive-away-time
- » Easy positioning – no side slip of the windscreen



Equipment

FOIL-WRAP TOOL PN 400 ml
Art. No. 1703000

MILWAUKEE TOOL 18V WIRELESS 1-P
Art. No. 1731900

MILWAUKEE TOOL 600 ML ADD-ON SET 1-P
Art. No. 1732000

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

DINITROL 501 FC-HM

Art. No.	Size	Package	Color
12067	310 ml	Cartridge	Black

Art. No.	Size	Package	Color
12126	400 ml	Foilwrap	Black
12068	600 ml	Foilwrap	Black
12618	25 kg	Hobbock	Black

a brand of



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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 misuse of our products. Therefore, a contractual legal relationship is not justified, and there are no secondary obligations arising from any purchase contracts.

DINITROL 501 FC-HM

Technical Details

Characteristics

DINITROL 501 FC-HM is a black moisture-reactive 1-component polyurethane adhesive.

- solvent and PVC free
- OEM approved
- ageing and weather resistant
- Crash test approved acc. FMVSS 212

Features

- good adhesion on paints
- fast curing and high modulus
- low odour
- excellent working characteristics
- very good standing properties
- short cut-off string
- high elasticity

Areas of application

DINITROL 501 FC-HM is used together with the appropriate primers for gluing windows for new glazing and repair in vehicle construction. By using the high-modulus adhesive DINITROL 501 FC-HM, the torsional stiffness of the body is increased by an additional 30 – 50%.

Method of use

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

The following documents are available on request:

- Material safety data sheet
- DINOL pre-treatment chart

Storage

Storage in closed packaging between 0 and 35°C.

Technical Details

Chemical base	Polyurethane prepolymers
Colour/Consistency	black paste
Cure mechanism	humidity-curing
Density (DIN 53217-4)	approx. 1'200 kg/m ³
Non-sag properties	very good
Application temperature	10°C – 40°C (product)
Skin formation time ¹	approx. 20 min.
Open Time ¹	approx. 15 min.
Rate of cure	approx. 3 – 4 mm / 24 h
Shore A hardness (DIN 53505)	approx. 65 – 75
Tensile strength (DIN 53504)	approx. 11 MPa
Elongation at break (DIN 53504)	approx. 400%
Tear strength (DIN 53515)	approx. 11 N/mm
Lab-shear-strength (DIN EN 1465)	approx. 9 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	< 80°C kurzfristig (ca. 1 Std.): < 120°C
Shelf life (FMVSS 212/208)	Cartridge/Foil: 12 months Drum/Pail: 6 months
Safe-Drive-Away-Time ¹ (FMVSS 212/208)	without airbag: 1 h with passenger airbags: 1 h
Available in	310 ml cartridge, 400 ml & 600 ml foil-wrap, 20 L pail

1) 23°C / 50% rf

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