

# DINITROL 501 FC

## Humidity-curing adhesive 1-component polyurethane

DINITROL 501 FC is together with the corresponding pretreatments, as for example primers and/or activators, designed for the use in replacing automotive windscreens.

- » Proven OEM technology
- » Fast curing
- » Solvent and PVC free
- » Excellent decking and standing properties
- » High elasticity
- » Crash-test approved according to FMVSS 212
- » Safe-drive-away-time 3 hours



### 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

Art. No.	Size	Package	Color
12064	310 ml	Cartridge	Black
12120	310 ml	Cart. Mini-Kit	Black

Art. No.	Size	Package	Color
12065	400 ml	Foilwrap	Black
12066	600 ml	Foilwrap	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

## Technical Details

### Characteristics

DINITROL 501 FC is a humidity-curing and one component polyurethane for the direct-glazing of automotive glasses.

### 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
- solvent and PVC free
- Proven OEM technology
- ageing and weather resistant
- Crash test approved acc. FMVSS 212
- Shortened process time
- Highly supports construction strength

### Areas of application

Together with the corresponding pretreatments, e.g. DINITROL 501 FC is designed for priming and activators for direct glazing for new glazing and vehicle repair.

### Method of use

The application of the DINITROL 501 FC 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 in closed packaging between 0 and 35°C.

## Technical Data

Chemical base	Polyurethane prepolymers
Colour/Consistency	black paste
Cure mechanism	humidity-curing
Density (DIN 53217-4)	ca. 1'200 kg/m <sup>3</sup>
Non-sag properties	very good
Application temperature	10°C – 40°C (product)
Skin formation time <sup>1</sup>	approx. 15 – 20 min.
Open time <sup>1</sup>	approx. 15 min.
Rate of cure	approx. 3 – 4 mm / 24 h
Shore A hardness (DIN 53505)	approx. 53
Tensile strength (DIN 53504)	approx. 9 MPa
RElongation at break (DIN 53504)	approx. 600%
Tear strength (DIN 53515)	approx. 9 N/mm
Lab-shear-strength (DIN EN 1465)	approx. 7 MPa
G-modulus (DIN 54451)	approx. 1.3 MPa
Volume resistivity (DIN 60093)	approx. 10 <sup>6</sup> Ωcm
Glass transition temperature	approx. -40°C
Temperature resistance	< 80°C <b>short-term (approx. 1 h): &lt; 120°C</b>
Shelf life (Storage < 25°C) (FMVSS 212/208)	<b>Cartridge/Foil:</b> 12 months <b>Drum/Pail:</b> 6 months
Safe-Drive-Away-Time <sup>1</sup> (FMVSS 212/208)	<b>without airbag:</b> 1 hours <b>with passenger airbags:</b> 3 hours
Available in	310 ml cartridge, 400 ml & 600 ml foil-wrap, 20 L pail, 200 L drum

1) 23°C / 50% rf

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