

DINITROL 501 FC-HM

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High modulus - Low conductive

- 1 hour safe-drive-away-time
- OEM Approved
- Magnificent working characteristics
- 310 ml cartridges
- 400 ml & 600 ml foil-wraps

CRASH TEST PROVEN



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General description

DINITROL 501 FC-HM is a humidity-curing and one component polyurethane adhesive for the direct-glazing of automotive glasses. The properties of the adhesive DINITROL 501 FC-HM are the following:

- good adhesion on paints
- fast curing and high modulus
- excellent working characteristics
- very good standing properties
- short cut-off string
- high elasticity
- solvent and PVC free
- OEM approved
- ageing and weather resistant
- Crash test approved acc. FMVSS 212

Together with the corresponding pre-treatments as example primers and/ or activators, DINITROL 501 FC-HM is designed for the use in replacing polyurethane direct-glazed automotive glass parts and other bondings in vehicle manufacturing.

The adhesive's high modulus property contributes remarkably to the stiffening in-cure of the car-body.

Lab-Shear-Strength

- 3 h > 1.0 MPa
- 24 h > 2.8 MPa
- 7 Tage > 11.0 MPa

G-Modulus

2.5 MPa at 10% gliding

Rate of cure*

3.5 - 4.0 mm in 24 h

Elongation

400%

Tensile strength*

11 MPa after 7 days

Skin formation time*

< 20 min

Application Temperature

> 15°C

Volume resistivity

10⁶Wcm

*23°C/50% R.F.

Recommended Pretreatments

- DINITROL 582 Cleaning agent
- DINITROL 520 Adhesion promoter
- DINITROL 530 Primer
or
- DINITROL 538 Plus One-Step-Primer
or
- DINITROL Activator Plus

Shelf Life

12 month for unopened packagings

Storage Requirements

Store between 15°C and 35°C in closed packagings.



Safe-Drive-Away-Time for passenger cars

Relative Humidity	Temperature			
	-18°C – 0°C	0°C – 10°C	10°C – 30°C	30°C – 45°C
> 70 %	2 h	1 h	1 h	1 h
> 50 %	2 h	1 h	1 h	1 h
> 30 %	n.r.	2 h	2 h	2 h
> 10 %	n.r.	2 h	2 h	3 h

All data recommendations are the result of careful tests by our laboratories. These data can only be considered as recommendations, which correspond to the level of experience today. These data are given in good faith. However, in view of the multiplicity of applications and working methods, we are not in a position to assume any responsibility or obligations derived from the use of our products.