

DINITROL[®] 9000

Characteristics:

DINITROL 9000 is a humidity-curing and one component polyurethane adhesive for the direct-glazing of automotive glasses. The properties of the adhesive DINITROL 9000 are the following:

- good adhesion on paints
- fast curing
- high modulus
- low odour
- excellent working characteristics
- low conductive
- high elasticity
- solvent and PVC free
- OEM approved
- Crash test approved acc. FMVSS 212
- ageing and weather resistant

Together with the corresponding pretreatments the adhesive DINITROL 9000 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 increase of the carbody. DINITROL 9000 is a low conductive adhesive which enhances contact corrosion between the adhesive and the car body.

Application:

The application of the DINITROL 9000 is done by extrusion out of foil wraps and cartridges. 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
- EFTEC pre-treatment chart

Health and safety / storage:

According to 1907 / 2006 EC, DINITROL 9000 has to be labelled. Symbol: Xn
Storage temperature between 0 and 35°C.

Die in diesem Merkblatt gemachten Angaben sind das Ergebnis sorgfältiger Untersuchungen. Soweit sie sich auf die Anwendung beziehen, sind sie als Empfehlung zu betrachten, die dem Erfahrungsstand entsprechen. Wegen der Vielseitigkeit der Anwendungs- und Arbeitsweisen können wir jedoch eine Verbindlichkeit nicht übernehmen. Es wird daher ein vertragliches Rechtsverhältnis nicht begründet, und es entstehen aus eventuellen Kaufverträgen keine Nebenverpflichtungen.

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 use of our products.

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DINITROL[®] 9000

Available packagings:

Cartridges 310 ml Foil wraps 400 ml and 600 ml

Technical properties:

Chemical base:	Polyurethane
Colour:	Black paste
Cure mechanism:	Humidity-curing
Density:	approx. 1'200 kg/m ³
Non-sag properties:	very good
Application temperature:	15°C – 35°C
Skin formation time ¹ :	approx. 15 – 20 min.
Open time ¹ :	approx. 15 min.
Rate of cure:	approx. 3 – 4 mm / 24 h
Shore A hardness:	approx. 75
Tensile strength:	approx. 8 MPa
Elongation at break:	approx. 300 %
Tear strength:	approx. 12 N/mm
Lab-shear-strength:	approx. 7 MPa
G-modulus:	approx. 2.5 MPa
Volume resistivity:	approx. 10 ⁷ Ωcm
Glass transition temperature:	approx. - 40°C
Temperature resistant: Short term (approx. 1h)	< 80°C < 120°C
Shelf life (storages below 25°C): cartridges / foil wraps drums / pails	12 month 6 month
Safe-Drive-Away-Time ¹ without airbags with passenger airbags	45 min. 1 hour

¹⁾ 23°C / 50% rf

Health and safety information can be obtained from the material safety data sheet and the product label.

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