

## DINITROL 512 2K HM

two component polyurethane based sealant and adhesive

### Characteristics:

DINITROL 512 2K HM is a two component polyurethane based sealant and adhesive with the following properties:

- good adhesion on paints
- short pot life
- low odour
- good working characteristics
- low conductive
- high modulus
- ageing and weather resistant

The 2K adhesive DINITROL 512 2K HM is designed for the direct glazing repair market where a fast safe drive away time is required. In contrast to the usually used 1 component sealants reaction of this product is independent of air humidity. The high modulus of this product has an strong influence on stiffening contribution of the sealant on the car body. This product is designed as an electric low conductive sealant. It covers all requirements regarding antenna performance and potential contact corrosion in combination with aluminium car bodies.

### Application:

DINITROL 512 2K HM has to be applied with the adequate static mixer and the application gun P 580 / DP 400. 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

### Health and safety / storage:

According to EC-directives, DINITROL 512 2K HM has to be labelled. Symbol: Xn  
Store between 0°C and 35°C, in closed packaging.

### Available packagings:

PE-double cartridges	400 ml
Pails	25 litres

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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### Technical properties:

Appearance:	A-comp.: black B-comp.: black
Mixing ratio:	100 : 100
Density (DIN 53217-4):	approx. 1'200 kg/m <sup>3</sup>
Non-sag properties:	limited good
Application temperature:	10°C – 35°C (product)
Pot life <sup>1</sup> :	approx. 8 – 12 min.
Shore A hardness (DIN 53505):	approx. 75
Tensile strength (DIN 53504):	approx. 5 MPa
Elongation at break (DIN 53504):	approx. 200%
Tear strength (DIN 53515):	approx. 6 N/mm
Lab-shear-strength (DIN EN 1465):	approx. 5 – 6 MPa
G-modulus (DIN 54451):	approx. 3.0 MPa
Low conductivity (DIN 60093):	approx. 10 <sup>9</sup> Ωcm
Glass transition temperature:	approx. -40°C
Temperature resistant: short term (approx. 1h)	< 80°C < 120°C
Shelf life (storages below 25°C): PE cartridges	9 month
Safe-Drive-Away-Time <sup>1</sup> : without airbags with passenger airbags	30 min. 1 hour

<sup>1)</sup> 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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