DINITROL 512 2K HM

2-component polyurethane 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 adhesives reaction of this product is independent of air humidity. This product is designed as a low conductive adhesive.
It covers all requirements regarding antenna performance and potential contact corrosion in combination with aluminium car bodies.

- » Excellent adhesion to top coats
- » Short pot life
- » Odourless
- » PVC-free
- » High modulus and low conductive
- » Resistant to ageing and weathering

Equipment

DINITROL PM-MX TOOL 400 ML
Art. No. 1715700

INDUSTRIE NITRIL-HANDSCHUHE XL 10-P
Art. No. 1734100

DINITROL CARTRIDGE TOOL 2C 20V CORDLESS
Art. No. 1736300

DINITROL 512 2K HM

Art. No.	Size	Package	Color
12070	400 ml	Cartridge	Black

a brand of DINOL

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DINITROL 512 2K HM

Technical Details

Characteristics
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 usual 1K sealants & adhesives, the reaction of this product is independent of air humidity. Through the use of the highly modular windscreen adhesive DINITROL 512 2K HM The torsional stiffness of the body is increased by an additional 30 – 50%. This product is designed as an electric low conductive sealant. It covers all require- ments regarding antenna performance and potential contact corrosion in combination with aluminium car bodies.

Features
- Proven technology for elastic thick layer bonding or semi-structuaral components
- High modulus, low conductive
- Easy positioning and no sideslip of bonded substrates
- Highly supports construction strength
- Extra shortened process time and excellent loadability

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 documents are available on request:
- Material safety data sheet

Storage
Store between 0°C and 35°C, in closed packaging.

Technical Data

Appearance / Colour	A-comp.: black / B-comp.: black
Mixing ratio	1 : 1
Density (DIN 53217-4)	approx. 1'200 kg/m^3
Non-sag properties	limited good
Application temperature	10°C – 35°C (product)
Pot Life[1]	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. 10^9 Ωcm
Glass transition temperature	approx. -40°C
Temperature resistants	< 80°C **short term (approx. 1h):** < 120°C
Shelf life (storages below 25°C)	**PE-cartridges:** 12 months
Safe-Drive-Away-Time[1] (FMVSS 212/208)	**without airbag:** 30 min. **with passenger airbags:** 1 hour
Available in	400 ml PE-double cartridges, 25 L pail

1) 23°C / 50% rf

Comp A:
Hazards identification
2.1. Classification of the substance or mixture
GB CLP Regulation
Eye Irrit. 2; H319
Skin Sens. 1; H317

Comp B:
Hazards identification
2.1. Classification of the substance or mixture
GB CLP Regulation
Aquatic Chronic 2; H411

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