DINITROL 771 A IQ LOT

MS Polymer

DDINITROL 771 A IQ LOT is a 1-component, moisture-curing adhesive based on MS polymer with long open time and reduced viscosity, which was specially developed for semi-structural bonds and seals. Further properties are:

- » Long open time < 30 min.
- » Free of solvents, isocyanates and PVC
  ➜ No labelling, No hazards symbols
- » Very good UV and aging resistance
- » No formation of CO2, no formation of bubbles
- » Very wide range of adhesion,
  often without adhesion promoter
- » Permanently elastic between -40°C to + 120°C
- » Can be painted over after skin formation
  (wet on wet) with the usual paint systems
  (preliminiary tests are essential)

Equipment

DINITROL Foil-Wrap Tool PN 400 ml
Art. No. 1703000

Milwaukee Tool 18V Cordless 1-P
Art. No. 1731900

Milwaukee Tool 600 ml Add-On Set 1-P
Art. No. 1732000

Industrie Nitrile Gloves XL 10-P
Art. No. 1734100

DINITROL 771 A IQ LOT

Art. No.	Size	Package	Colour
12607	20 L	Pail	White/ Black
12614	400 ml	Foilwrap	White/ Black

a brand of DINOL

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DINITROL 771 A IQ LOT

Technical Details

Product description
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Areas of Applications
- Elastic bonding and sealing in buses, trains, caravans, motor homes and trucks
- All semi-structural bonding

Technical Data

Colour	white, black
Base	MS polymer
Curing method	Moisture
Density	approx. 1.4 g/ml
Skin formation time (23°C/50% r. h.)	approx. 20 min.
Open time (23°C/50% R.H.)	< 30 min.
Curing speed after 24 hrs (23°C/50%R.H.)	approx. 4 mm
Shore A hardness (DIN 53505)	approx. 60
Volume change (DIN 52451)	< 3%
Green strength (Physica Rheometer MC100) (Tauy)	approx. 64 Pa
Tensile stress (100%) (DIN 53504/ISO 37)	approx. 1,7 MPa
Tensile stress at break (DIN 53504/ISO 37)	approx. 2.8 MPa
Elongation at break (DIN 53504/ISO 37)	approx. 210%
Lap shear stress (DIN 53283/ASTM D1002) (Alu-Alu; adh. thickness 2 mm, test speed 50 mm/min.)	approx. 2.5 MPa
Tear propagation (DIN 53515/ISO 34) (Typ C, test speed 500 mm/min.))	approx. 14 N/mm
E-Modulus (10%) (DIN 53504/ISO 37)	approx. 4.5 MPa
Solvent percentage	0%
Isocyanate percentage	0%
Temperature resistance	- 40°C to + 120°C
Temperature resistance (max. 20 minutes)	+ 180°C
Application temperature	+5°C to +35°C
UV and weather resistance	Excellent
Available in	290 ml cartridges, 400 ml bags, 28 kg hobbock

*at 23°C / 50% r.h

Method of Use
DINITROL 771 A IQ LOT is applied with the usual dispensers at temperatures between + 5°C and 35°C. For sealing applications, DINITROL 771 A IQ LOT should be removed within 20 minutes (at 23°C / 50% r.h.) and, if necessary, smoothed with a soap solution.
Join the parts to be joined within the open time (<30 min at room temperature), higher temperatures reduce the open time.
The surfaces to be bonded must be clean, dry and free of dust and grease. In many cases, pretreatment with an adhesion promoter can be dispensed with, as is the case with aluminum, steel, glass, painted wood, etc., we recommend carrying out preliminary tests.

Storage
DINITROL 771 A IQ LOT may be stored for 12 months in a closed (unopened) container or bag in a dry place at temperatures between + 5°C and + 25°C (cartridges 18 months).

Safety precautions:
No specific safety precautions required. Consult safety data sheet.

Hazards identification
2.1. Classification of the substance or mixture
GB CLP Regulation
This mixture is not classified as hazardous in accordance with GB CLP Regulation.

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