

DINITROL Direct FW

Primerless to Glass Urethane Adhesive

Together with the corresponding pre-treatments as for example primers and or/ activators, DINITROL Direct FW is designed for the use in replacing polyurethane

direct-glaze automotive glass parts and other bondings in vehicle manufacturing.



- » Primerless to glass
- » 3-hour safe drive away time
- » **OEM** approved
- » Fast cure
- » Good decking
- » Solvent and PVC free
- » Prevents contact corrosion in aluminum-bodied vehicles
- » Crash test approved acc. FMVSS 212
- » Ageing and weather resistant



Equipment

DINITROL MASTER TOOL 310 ml Cartridge & 600 ml Foilwrap Art. No. 1736500

DINITROL MASTER TOOL 310 ml Cartridge & 400 ml Foilwrap Art. No. 1736600

INDUSTRIAL NITRILE GLOVES 10-P Art. No. 1734100 (XL) Art. No. 1734300 (LG)

a brand of

DINITROL Direct FW

Art. No.	Size	Package	Color
1250677	600 ml	Foilwrap	Black



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All data and recommendations are the result of careful tests by our laboratory. They only can be considered as recommendation which corresponds 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 misuse of our products. Therefore, a contractual legal relationship is not justified, and there are no secondary obligations arising from any purchase contracts.



DINITROL Direct FW

Technical Details

Characteristics

DINITROL Direct Foil is a one component cold-applied polyurethane adhesive designed for direct windshield replacement. The properties of the adhesive DINITROL Direct Foil combined with the corresponding DINITROL pre-treatments are the following:

Features

- Primerless to glass
- 3-hour safe drive away time
- Fast cure
- Good decking
- Solvent and PVC free
- Prevents contact corrosion in aluminum-bodied vehicles
- OEM approved
- Crash test approved acc. FMVSS 212
- Ageing and weather resistant

Technical Details

Method of use

The application is done by extrusion out of foilwraps and cartridges. The use of the product is suitable only for experienced and professional users. For other applications, tests must be performed to ensure material and adhesion compatibility to the substrates.

Surface Preparation

All bonding surfaces must be clean, dry and free from all traditional and non-traditional contamination. Thoroughly clean the glass bonding surface with DINITROL 582 in order to remove all contaminates. Abrading the glass and/or ceramic frit bonding surface will enhance the adhesive and primer bond. Any surface rust on pinch weld bonding area must be completely removed. Bare metal, scratches and painted surface areas on the vehicle must be primed as documented in DINITROL AGR training manual.

Application

We recommend to apply the adhesive with a piston style application gun. For easy processing, use the adhesive at room temperature. For a constant adhesive layer thickness, it is advisable to apply the adhesive in the form of a triangular bead. The glass must be inserted before skin-formation starts. Warmer temperatures with higher relative humidity can shorten the open time, while colder temperatures and lower relative humidity can lengthen the open time.

Health and Safety

Before using DINITROL products, see the associated safety data sheet (MSDS.) Here, the user can find the information they need for the safe processing, storage and disposal of chemical products and contains physical, toxicological and other safety-relevant facts.

Storage

Product should be stored between 0-35 °C ($0^{\circ}-95$ °F).

1 component polyurethane
black
humidity-curing
ca. 1′200 kg/m³
good
0°F-115°F
approx. 30 min.
approx. 25 min.
approx. 3–4 mm / 24 h
approx. 62
approx. 9 MPa
approx. 350 %
approx. 11 N/mm
approx. 6 MPa
approx. 1.8 MPa
< 176°F < 248°F
12 months
with or without passenger airbag: 3 hrs (See Safe-Drive-Away-Chart)
310 ml cartridge, 600 ml foilwrap

1) 73°F / 50% rh

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

Drive Away With Passenger Side Airbag

RH/TEMP	> 70%	> 50%	> 30%	> 10%
> 85°F (30°C)	3 hrs	3 hrs	3 hrs	8 hrs
> 73°F (23°C)	3 hrs	3 hrs	4 hrs	10 hrs
> 60°F (15°C)	3 hrs	3 hrs	5 hrs	16 hrs
> 50°F (10°C)	5 hrs	5 hrs	12 hrs	24 hrs
> 40°F (5°C)	9 hrs	9 hrs	18 hrs	30 hrs

Without Passenger Side Airbag

RH/TEMP	> 70%	> 50%	> 30%	> 10%
> 85°F (30°C)	1 hr	1 hr	2 hrs	5 hrs
> 73°F (23°C)	1 hr	1 hr	2 hrs	6 hrs
> 60°F (15°C)	2 hrs	2 hrs	3 hrs	12 hrs
> 50°F (10°C)	4 hrs	4 hrs	8 hrs	18 hrs
> 40°F (5°C)	7 hrs	9 hrs	15 hrs	30 hrs

* Application at or below 40°F is Not Recommended

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