

Technical Data Sheet

Terostat 9096 PL



Moisture Curing, One-Component
Direct Glazing Sealant for Repair Glazing of Vehicles
Vehicle with Airbag can be Driven after 4 Hours

Base: Polyurethane

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Product Description

Product Description Terostat 9096 PL is a one-component, moisture curing Direct Glazing Sealant with excellent sag resistance based on polyurethane, which cures by reaction with atmospheric moisture to a soft elastic product. The skin formation and curing times are dependent on humidity and temperature, in addition, the curing time depends on adhesive thickness. An increase in temperature and atmospheric humidity can accelerate skin formation and curing, whereas a lower content of atmospheric humidity and lower temperatures delay the reaction.

The Direct Glazing Sealant demonstrates the following characteristics:

- Excellent adhesion without primer to glass, ceramic coated glass and on painted surfaces
- Good adhesion to primer
- Good adhesion to material residues and PUR pre-coatings
- High curing rate
- High UV resistance without primer
- High shear strength, retained on ageing.

Application Areas

Bonding of front, rear and side windows into the body of motor vehicles (cars, trucks, busses, driver cabins of tractors/fork lift trucks and special-purpose vehicles). Bonding of side windows made of single-pane glass or insulating glass in bus and rail coach manufacture.

Technical Data

Colour:	black
Odour:	weak
Consistency:	smooth, sag-resistant paste
Density:	approx. 1.3 g/cm ³
Solids:	100 %
Curing mechanism:	moisture curing
Cure rate:	approx. 4 mm/24 h
(DIN 50014 standard climate:	23°C, 50 % rh)
Shore-A-hardness (DIN 53505):	approx. 60
Tensile strength (DIN 53504):	approx. 7.5 MPa
Stress (DIN 53504):	approx. 2.7 MPa at 100 % elongation
Shear modulus:	approx. 1.2 MPa
(based on DIN 54451)	
Elongation to break (DIN 53504):	approx. 350 %
Shear strength:	approx. 2 MPa (after 24 h DIN 50014)
(thickness 5 mm, based on DIN EN 1465)	5 - 6 MPa (fully cured)
Volume change (DIN 52451):	< 1 %
Glazing time:	maximum 25 min. * standard climate
Application temperature:	10°C to 35°C
Service temperature:	-40 to +90°C
Short exposure (up to 1 h):	120°C

* Period of time between beginning of material application until inserting of the pane

Preliminary statement

Prior to application it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labelling, the relevant precautions should always be observed.

1. Surface treatment

The surfaces to be bonded must be dry, free of oil, dust, grease and other contaminants. Glass or ceramic coatings as well as the painted surface are cleaned with Teroson Cleaning Cloth or Teroson FL. To obtain an optimal adhesion we recommend abrading the windscreen's bond line with a smooth abrasive pad in order to have clean surface. Clean the bonding surfaces with Teroson Cleaning Cloth or Teroson FL after abrading. The fresh trimmed remaining bead should not be cleaned. If cleaning of this remaining bead cannot be avoided, a **drying time of a minimum of 30 minutes** prior to primer application has to be observed, because the adherents have to be absolutely dry.

Attention: Don't apply primer on the fresh painted bonding area, which is not control-cured by e.g. Infrared.

If the fresh painted bonding area is not sufficiently cured, adhesion loss could be observed. Refer to the working instruction and advice of your paint supplier.

2. Processing

The best application temperature is between 18°C and 25°C. Terostat 9096 PL is processed from the cartridge using commercial equipment such as air pressed guns or battery operated guns. From the Teroson application equipment, for instance the following pistols can be used:

- Air pressed Pistol PowerLine II IDH 960304
- Battery operated Pistol Electraflow IDH 1047326

The instructions included in the Teroson Glazing Repair Set contain a detailed description of the repair operation.

Test Certificate

Terostat 9096 PL is tested by the German TÜV. The respective test certificate of the TÜV-Rheinland is available.

Drive-away time

After window installation (according to the US-Norm FMVSS 208)

With/ without Airbag: 4 hours

Storage

Frost-sensitive	no
Recommended storage temperature	15°C to 25°C
Shelf life	12 months in original packaging (cartridges)

Packaging

Cartridge	310 ml	IDH-No. 1230375
Direct Glazing Repair Set	Set	IDH-No. 1231311

**Hazard Indications/
Safety Recommendations/
Transport Regulations**

see Safety Data Sheet

Important

The data above, particularly the recommendations for application and use of our products is based on our knowledge and experience. Due to different materials and conditions of application which are beyond our knowledge and control we strongly recommend carrying out sufficient tests in order to ensure that our products are suitable for the intended process and applications. Except for wilful acts any liability based on such recommendations or any oral advice is hereby expressly excluded.

This Technical Data Sheet supersedes all previous editions.

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