

TEROSON® PU 9092 PL

June 2025

Product description

TEROSON® PU 9092 PL provides the following product characteristics:

Technology	1K- Polyurethane adhesive free from PVC
Product type	Direct glazing for repair
In driving condition with airbag	3 hours after the window has been bonded (Crash-Norm: FMVSS 208 / 212 (50 km/h, 100% frontal)

The direct glazing adhesive is outstanding for the following properties:

- Very good sag resistance
- High cure rate
- High elastic and shear strength, even after aging
- Good adhesion to the remaining material
- Excellent adhesion to glass, glass with the ceramic coating, encapsulation and painted surfaces, in connection without primer
- UV resistance improvement

Application areas

TEROSON® PU 9092 PL is used for the bonding of front, rear and side screens to the body of motor, utility, special and rail vehicles.

Technical data

(Typical test results)	
Colour	Black
Odor	Weak
Consistency	Thixotropic paste, high viscosity
Density	approx. 1.2 g/cm³
Solids	100%
Curing mechanism	Humidity curing
Cure rate (DIN 50014; 23°C, 50% rh)	Approx. 4 mm/24 h
Skin formation time (DIN 50014; 23°C, 50% rh)	Approx. 25 minutes
Shore A hardness (DIN 53505)	Approx. 5
Shear modulus (according to DIN 54451)	Approx. 0.8 MPa

Elongation at break (DIN 53504)	≥ 300%
Shear strength Layer thickness 5mm based: (DIN 54451)	Approx. 2.5 MPa
Specific forward resistance (ASTM D 257 - 99 / DIN IEC 60093)	Approx. 1×10 <sup>5</sup> Ω cm
Glazing time*	Max. 20 min
Material application temperature, °C	5 to 35
Environmental temperature at application, °C	10 to 45
In service temperature range, °C	-40 to 90
Short exposure (up to 1h), °C	120

Preliminary statement

Prior to use it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Surface preparation

The substrates to be bonded must be dry and free from oil, dust, grease and other contaminations. Thoroughly clean new glass with TEROSON VR 100. Inspect the glass for any damage. For optimal adhesion, we recommend abrading the windshield bondline with a smooth abrasive pad to ensure a clean surface. After abrasion, clean and pretreat bonding surfaces with TEROSON VR 20, then allow 2 minutes for drying. Cleaning of the cut adhesive layer, remaining on the window aperture, is in general not necessary. If, however, cleaning of this remaining layer is indispensable, an evaporation time of at least 5 minutes is mandatory, as adhesive surfaces must be completely dry.

Processing

The direct glazing sealant TEROSON® PU 9092 PL is processed from the cartridge using commercial equipment such as battery driven, hand or air-pressure guns with a piston rod.



**Classification**

Please refer to the corresponding **Safety Data Sheet** for details on:

**Hazardous Information**

**Transport Regulations**

**Regulatory information**

**Storage**

Low temperature sensitivity	no
Recommended storage temperature	5 to 25°C
Shelf life	9 months in original packaging

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Reference 1