

# TEROSON PU 8590 UHV

May 2023

**Ultra high viscous direct glazing adhesive****PRODUCT DESCRIPTION**

<b>Technology</b>	<b>1c Polyurethan Adhesive</b> free from PVC and solvents
<b>Product Type</b>	<b>Direct Glazing</b> for industrial use

TEROSON PU 8590 UHV is outstanding for the following properties:

- very good sag resistance
- high cure rate
- high shear strength and good elasticity, even after aging
- excellent adhesion to glass, glass with ceramic coating, encapsulation and to painted surfaces, in connection with primer/activator
- high UV resistance

**Application Areas:**

TEROSON PU 8590 UHV is used for the bonding of front, rear and side screens to the body of motor vehicles (car, truck, bus).

**TECHNICAL DATA**

(Typical Test Results)

Colour	black
Odour	imperceptible
Consistency	pasty
Density	1.28 g/cm <sup>3</sup>
Viscosity at 23 °C	6,200 to 7,200 Pas
Solids	100 %
Curing mechanism	moisture curing, accelerable
Cure rate (23 °C, 50 % rh)	4 mm / 24 h
Skin formation time (23 °C, 50 % rh)	approx. 25 min
Shore A hardness	approx. 60
Tensile strength	approx. 8 MPa
Elongation at break	approx. 450 %
Shear modulus G10	approx. 1.5 MPa
Shear strength	approx. 5 MPa
In service temperature range	-40 to 90 °C
Recommended application temperature	15 to 50 °C

**Preliminary Statement:**

Prior to use it is necessary to read the **Material 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.

**Surface Pretreatment and Priming:**

Ensure that the substrates to be bonded are dry and free from oil, dust, grease and other dirt. Use for glass, paint and cathaphoretic dip painting (E-coat) the approved cleaners. The approved Henkel primer has to be used according to prior agreement with Technical Customer Service.

**Application:**

It is recommended to use a complete heated application system. In some cases a partly heating can be sufficient.

- The entire equipment, including hoses and pipes, must be moisture tight.
  - The follower plate must be driven by a double ram.
  - Necessity of centering the container.
  - It is recommended to switch off heating during a shutdown of more than 1 hour.
  - The adhesive is applied from pails or drums using high pressure piston pumps with a pneumatic ratio minimum 55:1. Due to the various application conditions it is recommended to follow the references in the current valid application data sheet.
- The application data sheet also provides necessary information about suitable application equipment and conditions.  
For further information, please contact the responsible sales representative.

**Classification:**

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

**Hazards identification**  
**Transport information**  
**Regulatory information**

**Storage:**

Frost sensitive	no
Recommended storage temperature	15 to 25 °C
Shelf life	up to 12 months depending on packaging

## ADDITIONAL INFORMATION

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