

TEROSON PU 8590 UHV/M

March 2021

PRODUCT DESCRIPTION

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

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

TECHNICAL DATA

Colour	black
Odour	imperceptible
Consistency	pasty
Density	1.27 g/cm ³
Viscosity at 23 °C	6,000 to 7,500 Pas
Solids	100 %
Curing mechanism	moisture curing, accelerable
Cure rate (23 °C, 50 % rh)	approx. 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. 400 %
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

DIRECTIONS FOR USE

Preliminary Statement:

Prior to application 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, °C	15 to 25
Shelf- life, months (depending on the packaging)	6 to 12

ADDITIONAL INFORMATION

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The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

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