

## TEROSON PU 9200

July 2014

### PRODUCT DESCRIPTION

|                            |                                   |
|----------------------------|-----------------------------------|
| <b>Technology</b>          | 1c-Polyurethane                   |
| <b>Product Type</b>        | Car Body Sealant, Adhesive        |
| <b>Additional Function</b> | excellent elasticity<br>paintable |

TEROSON PU 9200 is a one component adhesive/sealant based on polyurethane, which cures by reaction with moisture to a soft elastic product. The skin formation and curing times are dependent on humidity and temperature. The curing time also depends on joint depth. By increasing the temperature and moisture these times can be reduced. Low temperature as well as low moisture retards the process.

TEROSON PU 9200 exhibits the following properties:

- good adhesion to painted surfaces, many metals and plastics without primer
- can be overpainted
- sag resistant
- high curing speed
- excellent elasticity

### APPLICATION AREA

TEROSON PU 9200 is used for elastic bonding and sealing in the automotive repair business. Temporary fixation of the joint with adhesive tapes or spacers is advised until the adhesive/sealant has completely cured. TEROSON PU 9200 offers the important advantage that both bonding and sealing functions can be achieved with one product. The material is not generally suitable for constructive bonding.

### TECHNICAL DATA

(Typical Test Results)

|                                    |                                  |
|------------------------------------|----------------------------------|
| Colour                             | black                            |
| Density                            | approx. 1.2 g/cm <sup>3</sup>    |
| Odour                              | aromatic (no smell after curing) |
| Consistency                        | pasty                            |
| Sag resistance                     | very good                        |
| Curing mechanism                   | moisture curing                  |
| Skin formation time (23°C, 50% rh) | approx. 35 min(s).               |
| Cure rate (23°C, 50% rh)           | approx. 4 mm/ 24 hour(s)         |
| Shore A hardness                   | approx. 45                       |
| Tensile strength                   | approx. 1.7 MPa                  |
| Elongation at break                | approx. 350 %                    |
| Application temperature            | 5 to 35 °C                       |

|                              |              |
|------------------------------|--------------|
| In service temperature range | -40 to 90 °C |
| short exposure (up to 3h)    | 120 °C       |

### 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.

### DIRECTIONS OF USE

#### Adhesion

Good adhesion without primer to primed and painted vehicle body sheet metal, glass/glass ceramic, wood, plastics, polymer blends and polyester. Grinding of the surface is recommended for untreated sheet metal. Depending on substrate surface, it is necessary to use an Henkel approved primer as an adhesion promoter. Due to the large number of various surfaces we recommend application trials before use.

#### Pretreatment

The surfaces to be bonded or sealed must be dry, free of oil, dust, grease and other contaminants. For pretreatment we recommend the approved cleaners of the TEROSON program (TEROSON VR 20), because other cleaners may lead to incompatibilities.

#### Application

TEROSON PU 9200 can be directly applied from cartridges employing standard air or hand operated guns. For air pressure application 2 to 5 bar are necessary. Low material temperature will lead to an increase of viscosity, resulting in a lower extrusion rate. This can be avoided by bringing the material up to room temperature prior to application. To avoid condensation it is necessary to bring the substrates up to room temperature. After application TEROSON PU 9200 can be smoothed with a spatula dipped in water or TEROSON VR 20.



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**Painting**

After skin formation TEROSON PU 9200 can be painted over. The paint compatibility of the various paints has to be tested before use. Corrosion protection primer paints may only be applied on to cured TEROSON PU 9200, as these usually permit only very low water vapour transmission. In cases where accelerated paints drying in a drying oven or with IR radiation is required (max. 70°C), a pre-reaction/ waiting period of minimum 30 minutes must be respected.

**Incompatibility**

Nitro repair paints applied from aerosol cans or alcohol based paints, diluents and accelerators are not compatible with TEROSON PU 9200 before sufficient skin formation.

**Cleaning**

For cleaning application equipment contaminated with uncured TEROSON PU 9200 we recommend the use of TEROSON VR 20.

**STORAGE**

|                                 |                                |
|---------------------------------|--------------------------------|
| Frost sensitive                 | no                             |
| Recommended storage temperature | 10 to 25 °C                    |
| Shelf life                      | 9 months in original packaging |

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