

## TEROSON PU 9500 FOAM

October 2014

### PRODUCT DESCRIPTION

TEROSON PU 9500 FOAM provides the following characteristics:

<b>Technology</b>	2-part cavity-filling and sound-deadening foam
<b>Base</b>	Polyurethane

TEROSON PU 9500 FOAM is a ready-to-use, expanding cavity-filling and sound-deadening foam supplied in an aerosol can.

Due to its extended skin-formation time, foaming can be interrupted briefly for up to 5 minutes during application and then resumed. The foam cures without the need of moisture and is thus suitable for filling cavities. The cured foam does not subsequently swell or shrink.

### APPLICATION AREAS

TEROSON PU 9500 FOAM is particularly suitable for filling and sealing cavities such as those of A-, B- and C-pillars, door sills or frame components in general. Because of its extended skin-formation time, it can be used for bonding and sealing several components, e.g. customizing. The product is employed above all in small-series production and in the repair and servicing sector (vehicle repair & maintenance sector).

### TECHNICAL DATA (Typical Test Results)

Mixing	shake about 20 times
Colour	silver grey
Starting time	approx. 5 s
Expansion volume	up to 100 %
Yield, freely foamed	approx. 4 to 5 liters*
Density, freely foamed	approx. 35 kg/m <sup>3</sup>
Tack-free-time	15 to 17 min*
Cuttable	after >25 min.*
Cell structure	approx 85% closed cells
Compression resistance after 24 h	20 N/cm <sup>2</sup>
Tensile strength	
after 1h	6 N/cm <sup>2</sup>
after 24h	17 N/cm <sup>2</sup>
Shear strength after 24h	7 N/cm <sup>2</sup>
Water absorption	
Cut	1.5 vol%
Uncut	0.8 vol%
Dimensional stability	± 5%
Optimal application temperature	18 to 23 °C
Application temperature	10 to 35 °C

Maximum activation temperature	35 °C
In service temperature	-40 to 80 °C
* = 23 °C, 50 % rh	

### 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 labeling, the relevant precautions should always be observed.

### Pretreatment

The surfaces must be clean, dry and free of dust and grease. Remove loose pieces. Ensure that the workplace is well ventilated.

### General Details

The aerosol can of TEROSON PU 9500 FOAM contains two chambers. The outer chamber contains the basic foam material while the inner chamber with the activation mechanism is filled with the hardener liquid. Propellants generate the pressure necessary to force out the foam and create the pores. The product is activated by using the wire to pull out the activation lid and then shaking the can vigorously up and down (20 times). Pulling on the trigger of the plastic adapter opens a valve causing the product to be extruded at the end of the mixing tube as a prefoamed bead. One of the foam components is colored. If the silver-gray color of the extruded foam is uniform, this indicates that the two components have been mixed sufficiently well. The material is highly adhesive and expands by about 50 to 100% during curing, depending on the temperature, application and available cavity volume. The curing reaction takes place independently of air humidity. The cavity-filling foam's skin-formation time has been deliberately extended so that the foam remains workable for 15 to 20 minutes, depending on temperature, before it becomes tack-free. The chemical reaction is nearly completed after about 30 minutes. Full strength is achieved after 3 to 5 hours. Low temperatures prolong curing time while high temperatures shorten it.

### Application

1. Remove the safety catch from the activation lid.
2. Use the wire to pull the activation lid out as far as it will go (about 11 cm as far as notch).
3. Break off wire at the intended break point (notch) above the valve.
4. Screw plastic adapter into valve.
5. Shake can vigorously up and down.
6. Apply foam with valve pointing downward.
7. About 0.25 liters of foam is extruded per second of foaming time, for free foaming.

After activation, always release at least some of the foam. Use sparingly as the foam expands by about 50 to 100% without confinement and by about 100 to 200% in cavities.

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## Cleaning

Since TEROSON PU 9500 FOAM adheres to almost all substrates, the surroundings should be masked sufficiently with paper or sheeting.

Immediately remove fresh foam residues with TEROSON VR 10. Cured foam can only be removed mechanically.

## Post-Pretreatment

The cured foam can be mechanically treated by sanding, cutting or sawing. It can also be coated, painted or bonded regarding it's resistant to common used solvents.

## STORAGE

Frost sensitive	yes
Recommended storage temperature	15 to 25 °C
Shelf life	12 months in original packaging

## Disclaimer

### Note:

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