

TEROSON PV 3046

April 2021

PRODUCT DESCRIPTION

Technology	PVC Plastisol
Product Type	Seam Sealer Solvent Free Heat Curing

TEROSON PV 3046 is a solvent free seam sealant that can be cured at temperatures of minimum 140°C (effective metal temperature) for 10 minutes. The material can be coated with many usual primer and top coat paints without adverse effects on the surface.

Application Areas:

TEROSON PV 3046 serves as a seam sealant between metal sheet butt and overlap joints (interior / exterior seams) on vehicle bodies. The material is applied to electro-dip steel sheets.

TECHNICAL DATA

Colour	light ivory RAL 1015
Density	approx. 1.3 g/cm ³
Consistency	pasty
Solids (2 h / 120°C)	approx. 98%
<u>Rheological characteristics:</u>	
Equipment	MCR 301
Measuring system	Z 3 (25°C)
Viscosity 25°C	3.9 to 4.3 Pa.s
Yield Point 25°C	380 to 420 Pa
Sag resistance	<=5 mm
Particle size	< 100 µm
<u>Corrosion resistance:</u>	
salt spray test (DIN 50021) (35°C, salt solution 5%, 480h)	no under-rusting, no loss of adhesion
constant condensation (based on DIN 50017-KK)	no under-rusting, no loss of adhesion
Ageing resistance (120h, 80°C)	non-brittle / no adhesion strength loss
<u>Behaviour in the cold:</u>	
Storage	8 hrs -20°C
Mandrel bending test	70 mm Ø
Adhesion	good adhesion to substrate surface (cathodic EC)
Paintability/ Paint compability	good lamination with usual filler and top coat paints
Over backing	no cracks, no loss of adhesion
Baking conditions	50 min. 165°C + 30 min. 160°C + 90 min. 135°C

Mechanical properties:

Tensile strength (DIN 53504) min. 2.4 MPa
Elongation at break (DIN min. 180 % 53504)
In service temperature range -30 to 80 °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.

Application:

TEROSON PV 3046 is applied by high pressure pumps with a follower plate having compression ratio from 48:1 to 80:1 or with flow guns with a compression ratio of 12:1 to 24:1 (nozzle diameter 0.3 to 3.0 mm). The material is homogeneous and contains no lumps or abrasive fillers. Robotic spraying application is possible.

Classification:

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

Hazards identification
Transport information
Regulatory information

Storage:

Recommended transport temperature, °C	15 to 30
Recommended storage temperature, °C	15 to 30
Shelf- life, months	3

ADDITIONAL INFORMATION

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