



Technical Data Sheet

Terostat-3207



Solvent Free, Reactive, Pumpable
Adhesive/Sealant

Base: Rubber

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Product Description

Terostat-3207 is a solvent free, reactive adhesive/sealant based on rubber which is highly viscous at room temperature. Terostat-3207 chemically cross-links at temperatures above 140°C. The cured material is highly flexible and little dependent of changes in temperature.

Terostat-3207 also adheres well to oily steel sheets. The material exhibits excellent sag resistance and is wash-off resistant without pregelling or precuring against aqueous cleaning and pretreating agents used on the production line of the automotive industry. Due to its good compatibility with electrophoretic dip paints the adhesive/ sealant offers a safe corrosion protection even at border lines.

Application Areas

Terostat-3207 was specially developed as an antilflutter adhesive for the body shop in the automotive industry; the material will cure when passing through the EC oven.

Terostat-3207 is recommended for use when ovens or induction equipment cannot be used for pregelling or precuring to reach wash-off resistance, and where a high degree of elasticity is required over a wide temperature range.

Technical Data

As delivered

Colour:	black
Odour:	characteristic odour
Density:	approx. 1.3 g/cm ³
Solids:	> 98 %
Penetration:	approx. 8 g/min
Equipment:	extrusion viscosimeter
Nozzle:	2 mm Ø
Pressure:	4 bar
Temperature:	20°C
Sag resistance	
10 min. at 23°C:	no sagging
30 min. at 180°C:	no sagging
Application temperature:	approx. 20°C

In service

Shear strength (based on DIN EN 1465)	approx. 0.3 MPa *
Layer thickness:	1 mm
Substrates:	steel sheets, oily and galvanized
Tensile strength DIN 53504:	approx. 0.3 MPa *
Elongation at break DIN 53504:	approx. 100 - 300% *
Expansion rate (30 min. 20°C):	< 35 %
* Curing conditions:	30 min. at 180°C:
In service temperature range:	-40°C to 80°C
Temperature resistance:	200°C
Short exposure (up to 1h)	

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.

Application

Terostat-3207 is applied from hobbocks and drums with high pressure pumps with a compression ratio minimum 48:1. The material is applied to oily, not pre-warmed steel sheet.

The application pistol can be used either manually, on a fixed basis, or attached to an automatic application system (robot, CNC). The applicator nozzle may be designed according to individual requirements.

If required, we will provide you with the necessary information on suitable application equipment.

Storage

Frost-sensitive	no
Recommended storage temperature	10°C to 25°C
Shelf-life	3 months

Packaging

Hobbock	20 kg
Drum	200 l

Hazard Indications/ Safety Recommendations/ Transport Regulations	see Safety Data Sheet
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Important

The data above, particularly the recommendations for application and use of our products is based on our knowledge and experience. Due to different materials and conditions of application which are beyond our knowledge and control we strongly recommend carrying out sufficient tests in order to ensure that our products are suitable for the intended process and applications. Except for wilful acts any liability based on such recommendations or any oral advice is hereby expressly excluded.

This Technical Data Sheet supersedes all previous editions.

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