

TEROSON

Authorized Distributor



TEROSON RB 273

November 2013

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PRODUCT DESCRIPTION

Technology	Rubber
Product Type	Permanent Plastic Sealer
Additional Information	Pumpable - Hot applied Preformed Part

TEROSON RB 273 is a permanent plastic butyl sealer based on non reactive rubbers. Due to its hot melt effect, the application must be carried out at high temperatures. TEROSON RB 273 strongly adheres to many surfaces, such as plastics, metal alloys and also to oiled metal sheets. The material also retains its plastic properties at low temperatures without getting brittle or flaking off. It offers excellent sealing and corrosion protection. TEROSON RB 273 is compatible with surface treatment and E-coat paint used in the automotive industry and shows good wash off resistance.

APPLICATION AREAS

TEROSON RB 273 is used to seal cavities in the body shop or paint shop of the automotive industry, where tolerances have to be bridged. The product can be used on oiled metal sheets but also on painted or plastic surfaces.

Application examples are:

- sealing of wheel housing, sills and spoilers
- bonding water protective foils on doors
- antiflutter for roof bows or side panels

TECHNICAL DATA

(Typical Test Results)

Colour	black
Density	approx. 1.3 g/cm³
Solids	> 98 %
Penetration	approx. 80 1/10 mm
Equipment	Cone 150 g, 6 sec.
Temperature	20 °C
Shear strength	approx. 0.05 Mpa
Corrosion resistance	
salt spray test	no loss of adhesion,
(35 °C, salt solution 5 %, 500 hours)	no corrosion
In service temperature range	-40 to 80 °C
Temperature resistance	
short exposure (up to 1 h)	200°C

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

TEROSON RB 273 is applied from pails or drums using high pressure pumps with a compression ratio minimum 50:1. For better application the use of volume controlled dispensers is preferred. The heated application pistol can be used either manually or on a fixed jig. More commonly is attached to an automatic application system (robot, CNC). Independent heating circuits should have the lowest temperature at the follower plate and the highest temperature at the application nozzle. To ensure an optimal wetting to the substrate TEROSON RB 273 has to be applied at high temperatures. The material is applied directly to painted or plastic surfaces and oily metal sheets no more than 3 g/m². For smaller productions as well as for preliminary tests TEROSON RB 273 can also be delivered in 310 ml cartridges. These aluminium cartridges can be heated up in a convection oven for about 30 to 60 minutes and finally be applied with the normal Teroson Hand or Air Pressure Pistols. Even more convenient is the application with adjustable heated air pressure pistols. If required, we will provide you with the additional information on suitable application equipment.

Recommended material temperature:

Temperature at the nozzle: 90 to 130 °C

Delivered as sealer strip

When delivered as sealer strip, TEROSON RB 273 is cut into the required length, applied to the substrate and then slightly pressed on. It has been showing advantages to remove the release paper or release foil after application in order to avoid an unwanted extension of the strip during unrolling.

STORAGE

Frost sensitive	no
Recommended storage temperature	5 to 35 °C
Shelf life	24 months



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