TEROSON

Teroson RB 81

July 2013

PRODUCT DESCRIPTION

Teroson RB 81 provides the following product characteristics:

Technology	Butyl Rubber
Product Type	Sealant
Application	Assembly
Appearance	Black

Teroson RB 81 is a high quality, strongly adhesive sealing tape based on butyl rubber with plasto-elastic properties.

The particularly strong tackiness provides a firm lamination between the contact surfaces and, therefore, a reliable sealing effect. Teroson RB 81 is self-welding. Higher temperature influence for a short time has no adverse effect on quality and funktion.

Application Areas:

Teroson RB 81 can be used for sealing in the following areas:
-Sealing and antiflutter of trim panels, protective and covering trims, protective panels in the container and tank industry
-Sealing of overlaps in steel, steel sheet, aluminum, glass and plastic constructions in sheet metal fabricating industry, in the electrical industry or in apparatus and machinery engineering
-Bonding of PE foils, plastic sheets (e.g. EPDM) or parts in plastic engineering and manufacture
-As protection against contact corrosion between steel and nonferrous metals
-In the electrical industry for sealing and bedding parts with low vibration

TECHNICAL DATA

Density, g/cm³:	approx. 1.26
Consistency:	soft, plasto-elastic
Solids, %:	100
Elastograph value, Nm:	approx. 0.115
Penetration (cone 150 g, 6 s, 23°C), mm:	approx. 71 1/10
Tack:	very strong
Paint compatibility:	can be painted
In service temperature range, °C:	-40 to 80
Short exposure (up to 1 h), °C:	200

DIRECTIONS OF 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.

Pre-Treatment:

The substrates must be clean, dry, free of oil, grease and other anti-adhesive contaminants (e.g. release agents). For cleaning Cleaner FL is suitable.

Application:

Application as sealing tape

Unroll Teroson RB 81 and cut it to the desired length. Then apply the tape to the surface requiring sealing and press it on. Experience has shown that it is best not to remove the release paper or film when unrolling the tape, but only after it has been applied and pressed on. In this way any unwanted stretching of the tape during application can be prevented and the sealing tape is protected from dirt. After peeling off the release paper, press on the mating part and fix the entire assembly mechanically, if necessary.

Application from hobbocks and drums

To apply Teroson RB 81 from drums or hobbocks extruder spiral-, piston-, gear- or rotary-pumps can be used. Here, the pump and the follower plate, hose and applicator must be heatable. By heating Teroson RB 81 gets plasticized and hence pumpable.
Equipment with separate heating circuits and independent control turned out to be favorable, with the lowest temperature at the follower plate and the highest temperature at the application nozzle. The processing temperatures are between 80°C and 160°C, with the optimum range depending on the desired output and other specific requirements. On request, we will provide you with the needed information on suitable application equipment.
The heated application pistol can be used either manually, on a fixed basis, or attached to an automatic application system (robot, CNC). The application nozzle may be designed according to individual requirements.

STORAGE

Frost-Sensitive	No
Recommended Storage Temperature, °C	5 to 35
Shelf-life (in unopened original packaging), months	24

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ADDITIONAL INFORMATION

Haftungsausschluss

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