TEROSON

Teroson RB VII

July 2014

PRODUCT DESCRIPTION

Teroson RB VII provides the following product characteristics:

Technology	Synthetic Rubber
Product Type	Sealant
Application	Assembly
Appearance	Black, Light grey

Teroson RB VII is a solvent free, permanently plastic, multipurpose sealant based on synthetic rubber.

It serves as a good corrosion protection and can be painted with conventional paints based on oil and synthetic resins. The material exhibits very good water and aging resistance. Due to its tackiness the sealant adheres to most surfaces while they are clean and dry and shows excellent compatibility with a variety of substrates.

Because of its characteristics Teroson RB VII is used as an inner sealant when sealing overlapping substrates. The sealed parts need to be fixed mechanically, e.g. by clamps, screws, rivets or similar.

Application Areas:

Teroson RB VII is used for sealing and as a spacer in the following areas:

-in sheet manufacturing industry, e.g. sealing of overlapping steel, steel sheets, aluminium, glass and plastic constructions

-as protection against contact corrosion between steel and nonferrous metals

-in the automotive-, wagon- and caravan industry for sealing metal, wood and plastic parts

-in the electrical industry for sealing and bedding parts with low vibration

TECHNICAL DATA

Density, g/cm³, black:	approx. 1.65
Density, g/cm³, white:	approx. 1.69
Consistency:	plastic
Solids, %:	100
Elastograph value, Nm:	
Black:	approx. 0.190
White:	approx. 0.172
Penetration (cone 150 g, 6 s, 23°C), mm:	
Black:	approx. 50 1/10
White:	approx. 56 1/10
Tack:	low
Paint compatibility:	can be painted
In service temperature range, °C:	-40 to 80
Short exposure (up to 1 h), °C:	150

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:

As far as possible the substrates must be clean, dry, free of oil and grease. Small traces of oil and fat can be absorbed by Teroson RB VII.

Application:

Application as sealing tape

Unroll Teroson RB VII 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.

Application from hobbocks and drums

Piston-, gear-, extruder- or rotary-pumps are suitable. Pump, as well as follower plate, hose and application nozzle must be heatable. Due to the heated follower plate, Teroson RB VII softens at the surface and can be pumped. We recommend to keep pipes and hoses as short as possible.

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 120°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

Note:

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