

TEROSON RB 3211-2 F

February 2021

PRODUCT DESCRIPTION

TechnologyRubberProduct TypeAntiflutter AdhesiveAdditional InformationExpandable

TEROSON RB 3211-2 F is a heat curing, solvent free, one component sealant, based on rubbers. Special viscosity of the product leads to an excellent sag resistance and makes it wash-off resistant against aqueous cleaning and pretreatment agents. TEROSON RB 3211-2 F adheres well to oily steel sheets, aluminum and zinc coated surfaces. The cured material shows a foamy structure, is highly flexible and little dependent of changes in temperature. TEROSON RB 3211-2 F chemically cross-links at temperatures above 140 °C. Due to the good compatibility to E-coat paint it offers a safe corrosion protection even at boundary areas. TEROSON RB 3211-2 F can be painted after curing.

APPLICATION AREAS:

TEROSON RB 3211-2 F is used in the automotive body shop for antiflutter applications. Low hardness prevents read-through effects. It is recommended for use, when wash-off resistance must be obtained without pre-gelling or pre-curing, and where a high degree of elasticity is required over a wide temperature range.

TECHNICAL DATA

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Colour black

Density approx. 1.45 g/cm³

 Consistency
 pasty

 Solids
 > 99 %

 Viscosity (DIN 54458)
 400 Pa.s

 Equipment
 P/P 25 mm

 Frequency
 10 Hz

 Deformation
 10 %

 Temperature
 45 °C

Sag resistance (3 mm bead)

30 min at 23 °C no sagging 30 min at 200 °C no sagging

Cured (25 min. at 175 °C)

Expansion rate approx. 85 %
Shear strength (DIN EN 1465) approx. 0.8 MPa
substrate HDG / EGS 0.75 mm

layer thickness 2 mm bonding area 25 x 20 mm Shore A hardness approx. 30

(DIN 53505)

Temperature resistance

short exposure (up to 1 h) 200 °C

In service temperature range: -40 to 90 °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 RB 3211-2 F is applied from pails or drums using high pressure pumps with a compression ratio minimum 50:1. For the best 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). It is recommended to switch off heating during a shutdown of more than 1 hour. The pressure should be switched off after 15 minutes of non-production. 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 3211-2 F should be applied at elevated temperatures. The material is applied directly to oily sheet metal no more than 3 g/m2. If required, we will provide you with the additional information on suitable application equipment.

Recommended material temperature:

Follower plate and pump: 25 to 35 °C Temperature at nozzle: 35 to 60 °C

CURING:

TEROSON RB 3211-2 F is cured while passing the EC oven, e.g. 15 minutes at 175 °C. The minimum curing cycle is 15 min at 165 °C. These are effective metal temperatures.

CLEANING:

Fresh, uncured material can be removed with the aid of ethylacetate or gasoline. Cured adhesive can only be removed mechanically.



CLASSIFICATION:

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

Hazards identification Transport information Regulatory information

STORAGE:

Frost sensitive no

Recommended 5 to 25 °C

storage temperature

Shelf life 6 months

ADDITIONAL INFORMATION Disclaimer

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