

TEROSON VR 400

Known as Fluid

July 2014

PRODUCT DESCRIPTION

TEROSON VR 400 provides the following characteristics:

Technology	Sealing Compound for Casings and Flanges
Sealing Face	Flange Width ≥ 5 mm
Additional Information	liquid, setting, high strength

TEROSON VR 400 is a liquid, curing sealant with excellent metal adhesion based on synthetic resin. The film dries by evaporation of solvents and demonstrates only minor elasticity. The adhesion to metals can be improved by temperature. TEROSON VR 400 is usually been used in combination with a solid gasket.

APPLICATION AREAS

TEROSON VR 400 is used for sealing machined flanges of casings for machinery, gears and motors as well as components for those. Afterwards parts can only be separated difficultly. For flange areas up to 1,500 cm² application to one surface is sufficient, for larger areas application to both surfaces is necessary. A minimum flange width of 5 mm should be provided. TEROSON VR 400 adheres to metals, phenolic resins (e. g. Bakelite), laminated plastics (e. g. Novotex, Resitex, Pertinax) and can be used for both, sealing purposes and bondings. In the automotive field TEROSON VR 400 is also used for bonding solid gaskets.

TECHNICAL DATA

(Typical Test Results)

Colour	reddish brown
Odour	smells of alcohol
Consistency	thick liquid
Density	approx. 0.9 g/cm ³
Solids	approx. 40 %
Thinner	TEROSON D
In service temperature	-10 to 100 °C

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.

Preparation for sealing

The sealing faces must be dry and free from grease, oil and dust. Dependent on the degree of contamination, cleaning may be performed with TEROSON D, TEROSON VR 10, cleaning gasoline or a dry cloth.

Application

Applying the sealant:

TEROSON VR 400 is applied to the machined metal flanges evenly to a thickness of ca. 0.3 mm either on one surface or on both surfaces. After a drying time of ca. 10 minutes the components may be fitted together. After setting TEROSON VR 400 may be painted.

Application as adhesive:

TEROSON VR 400 is applied to both parts and allowed ca. 10 minutes drying time. Thereafter the parts are fitted together. When curing with temperature the components should be kept in a fixing device to avoid dislocation, for the adhesive/sealant gets fluid under the influence of temperature prior to curing. Depending on layer thickness, temperature and flange width TEROSON VR 400 is cured after 1 - 2 days.

Cleaning

Equipment may be cleaned with TEROSON D. Cured TEROSON VR 400 may only be removed mechanically.

STORAGE

Frost sensitive	no
Recommended storage temperature	10 to 25 °C
Shelf life	12 months

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