



## RZ-5291-1

### Solvent Free Epoxy Putty

#### **Product Description**

RZ-5291-1 is a three component epoxy based putty made of resin, hardener and some special inert filler. It is not shrink epoxy based repair material

#### **Recommended Use**

It is used as a sealing of crack of concrete, metal and wooden surfaces. It can be used for protecting of concrete, steel ,marine structure as protective coating. It is used for making up undulations of concrete surfaces before coating.

#### **Outstanding Characteristics**

- Excellent mechanical strength.
- High oil resistance.
- High chemical resistance against weak acids and alkalis.
- Applicable in high film thickness.

#### **Surface Preparation**

The surface must be clean and dry . All dirt, grease, mill scales and any other foreign material should be removed.

#### **Technical Data**

Color	Dirty white
Volume Solids	100 %
Specific Gravity	1.5 ± 0.05 gr/cm <sup>3</sup>
Touch dry	6 hrs at 25 °C
Fully cured	7 days at 25 °C
Thermal Resistance	Up to 120°C
Shelf life	12 months at 25 °C

#### **Application Details**

Application method	Putty knife
Ambient temperature	10- 45°C
Mixing ratio	Base / Hardener/Filler 2 / 1 / 3 by weight
Cleaner	RZT- 51
Pot life	0.5 hrs at 25°C
Recoat interval	Min 16 hrs at 25°C Max 5 days at 25°C

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## **Application Procedure of RZ-5291-1**

1. Flush all equipment with recommended cleaner before use.
  2. Add liquid "B" to Liquid "A" until it is well mixed.
  3. Stir powder "C" into mixed liquid until it is well dispersed and mixture is free of lumps.
- Note:** Since the pot life is limited and shortened by high temperatures; do not mix more material than will be used in 0.5 hour at 25°C.
4. DO NOT THIN FOR ANY REASON.
  5. Clean all equipment with recommended cleaner immediately after use.

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## **Environmental Conditions**

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Surface temperature must be at least 3°C above dew point. Relative humidity during application should be less than 80%. Do not apply coatings under reverse environmental conditions. Each coat shall be air dried a minimum of 16 hours at 25°C. These coatings shall not be applied at temperatures below 10°C.

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## **Safety**

This product is flammable. Keep away from heat and open flame. Keep container closed. Avoid prolonged and repeated contact with skin. Since improper use and handling can be hazardous to health and cause fire or explosion, safety precautions included with application instructions must be observed during all storage, handling, use and drying periods.

If used in confined areas:

- circulate adequate fresh air continuously during application and drying.
- Use fresh air masks and explosion proof equipment
- Prohibit all flames, sparks, welding and smoking
- Take precautionary measures against static discharges

Keep away from food products.

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## **Storage conditions**

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Store in cool dry conditions, away from sources of heat and naked flames, in the original, unopened packs. If stored at high temperature, the shelf life may be reduced.

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## **Disclaimers**

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The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However we reserve the right to change the given data without notice.

Any recommendation relating to the use of the products is based on data believed to be reliable. It is buyer to satisfy itself of the suitability of the product for its own particular use.

As the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself.

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