

# Everad® RXB 4501 A+B

Technical 2 component PUR resin

## Description

Everad® RXB 4501 A+B is a 2 component polyurethane adhesive. This product does not contain any solvent, phthalate or halogen components.

### Packaging:

A: Container 1 000 kg.

B: drum 250 kg.

### Base:

Polyol/Polyurethane.

## Usage

Everad® RXB 4501 A+B is designed to manufacture of electric and electronic components such as capacitors and coils. Many other uses are possible after preliminary tests. Before any industrial use, to ensure itself by tests which the product corresponds well to the desired use.

## Application

### Preparation:

The parts to be glued have to be dry, clean and not dusty. If needed, apply an adapted primer. The two components of the adhesive are adapted one to the other. Stir up component A before mixing it the other and add the component B homogeneously.

The treatment is done with a spatula with teeth or a mixer and batcher. Check regularly the good performance of the dosing-mixing units. Respect the instructions of the manufacturer.

### Application temperature:

Min. +10°C.

### Application:

Dosing-mixing machine, spatula.

### Application quantity:

From 1-2 g to 1 kg depending of the volume to fill.

### Pot-life:

Approx. 60 minutes at 25°C for 200 g. The value depends of the substrates to assembly, environmental conditions and the used process.

## Chemical and physical properties

### Solid content:

ca. 100%

### Viscosity:

A: approx. 5 000 mPa.s at 25°C (Brookfield B4V20).

B: approx. 150 mPa.s at 25°C (Brookfield B2V100).

Mix: approx. 2 200 mPa.s at 25°C (Brookfield B4V20).

Viscosity measured after production. Values may fluctuate up or down during the storage of the product.

### Density:

A: approx. 1,53 g/cm<sup>3</sup> at 20°C.

B: approx. 1.2 g/cm<sup>3</sup> at 20°C.

Mix: approx. 1.49 g/cm<sup>3</sup> at 20°C.

### Mixing ratio:

A:B : 100:16 (in weight)

A:B : 100:20 (in volume)

### Flammability:

Non flammable.

### Shore:

40 D/1

## Resistance

### Rupture module:

6 MPa (ISO 527).

### Rupture elongation:

70%. (ISO 527).

### Temperature resistance:

-40°C to +120°C.

## Dielectric properties

### Dielectric rigidity:

15 KVe<sub>eff</sub>/mm (CEI 60243-1)

### Relative permittivity:

8.4 (50 Hz) (CEI 60250)

### Tan delta:

0.1 (50Hz) 5CEI 60250)

## Clean-up

Everad® RXB 4501 A+B liquid with Everad® SNE 3739.

Everad® RXB 4501 A+B reticulated with

Everad® RPS Solvant 4.

Protection of the metallic parts soiled by

Everad® RSB 4501 A+B by soaking in Everad® HNE D-Col 12.

Rinse of the mixing head with Everad® RPS Solvant 3.

## Safety

The wearing of protective gloves and safety goggles is recommended while handling the liquid product. Please follow the instructions on the Safety Data Sheet.

## Storage

Protect from humidity.

Cool and dry, storage between 15 and 25°C, in unopened original packaging 6 months after production (Comp. A) and 12 months after production (Comp. B).

## Guarantee

We guarantee the consistency and faultless quality of this product, manufactured in accordance with ISO quality standards, which has been developed on the basis of our long-standing experience with the recommended applications under the specified conditions. Material, processing, and application conditions may significantly influence product properties. Pre-application tests by the user are therefore essential. For non-specified applications or deviations in application conditions, we recommend that our technical support service be consulted first. Our general sales and delivery terms and conditions shall apply.