

### TYPE

Modified, carboxylated epoxy resin, self-crosslinking

### FORM OF DELIVERY (f.o.d.)

50 % in ethyl ethoxy propionate (50EEP)  
(containing also 6 % ethoxypropyl acetate)

### SPECIAL PROPERTIES AND USE

**Sole binder for white and clear interior and exterior can-coating systems, stamping enamels, capsule lacquers, foil lacquers and coil-coating primers with outstanding resistances, sterilization proof.**

### PRODUCT DATA

#### Determined per batch:

#### Dynamic Viscosity DIN EN ISO 3219

|                                       |         |             |
|---------------------------------------|---------|-------------|
| dynamic viscosity<br>(100 1/s; 23 °C) | [mPa.s] | 1300 - 4500 |
|---------------------------------------|---------|-------------|

#### Iodine Colour Number DIN 6162

|                      |  |       |
|----------------------|--|-------|
| iodine colour number |  | <= 10 |
|----------------------|--|-------|

#### Non-Volatile Matter DIN EN ISO 3251

|   |     |         |
|---|-----|---------|
| non-volatile matter<br>analogue DIN EN ISO 3251<br>(1 h; 160 °C; 1 g; ethoxypropyl acetate) | [%] | 48 - 52 |
|---|-----|---------|

#### Not continually determined:

#### Density (Liquids) DIN EN ISO 2811-2

|                               |         |      |
|-------------------------------|---------|------|
| density<br>approx.<br>(20 °C) | [g/cm³] | 1,06 |
|-------------------------------|---------|------|

#### Flash Point DIN EN ISO 1523

|                        |      |    |
|------------------------|------|----|
| flash point<br>approx. | [°C] | 59 |
|------------------------|------|----|

### SUGGESTED USES

Beckopox VEM 2448 is designed as sole binder mainly. At stoving temperatures of 180 - 220 °C, Beckopox VEM 2448 gives coatings with a high resistance against chemicals, good corrosion protection and excellent adhesion on nonferrous metals.

Beckopox VEM 2448 can be "shock-cured" too, e.g. at a PMT of 240 °C for 60 s.

The resulting films are resistant against sterilization (e.g. 60 min. / 121 °C in 2 % lactic acid).

### PROCESSING

Beckopox VEM 2448 is diluted with suitable solvents like esters, ketones or mixtures thereof to processing viscosity. OH-group containing solvents should not be used, not even in small amounts.

Beckopox VEM 2448 can be catalyzed by phosphoric acid (0.5 - 1.5 % phosphoric acid, 45 %, calculated on form of delivery). The storage stability of such catalyzed lacquers is however limited, the same applies to combinations with melamine and benzoguanamine resins.

For the formulation of white internal coatings, the use of "chloride" types of titanium dioxide is recommended.

The usual binder : pigment ratio is 1 : 1 (by weight).

### STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 90 days.

### SAFETY AT WORK AND ENVIRONMENTAL PROTECTION

When handling and processing epoxy resins and hardeners, the rules and regulations established by local authorities should be observed. A Material Safety Data Sheet is available on request.

