

### PRELIMINARY PRODUCT INFORMATION

#### TYPE

Solid epoxy resin, dispersion in water

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

60 % in water (60WA)  
(containing also approx. 6% methoxy propanol)

### DEVELOPMENT PRODUCT

This product is serving for trial purposes only. Deviations which might occur during transfer into manufacturing in a commercial scale are possible and do not constitute any material defect.

### TENTATIVE PRODUCT DATA

#### Determined per batch:

#### Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	1000 - 9000
(100 1/s; 23 °C)		

#### Epoxy-Equivalent VLN 305

epoxy equivalent	[g/mol]	520 - 640
(form of delivery; 1,2-propylene carbonat/glac.ac.acid 4:1)		

#### Epoxy-Equivalent VLN 305

epoxy equivalent	[g/mol]	300 - 400
(non volatile matter; 1,2-propylene carbonat/glac.ac.acid 4:1)		

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

non-volatile matter	[%]	58 - 62
(1 h; 125 °C; 1 g)		

#### Not continually determined:

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

density	[g/cm³]	1,11
approx.		
(20 °C)		

#### Flash Point (CCCFP) ASTM D 6450

flash point	[°C]	> 94
-------------	------	------

Lowest storage temperature: 5 °C

### SPECIAL PROPERTIES AND USE

BECKOPOX EP 2350w/60WA is a solid epoxy resin dispersion in water with improved chemical resistance. In combination with suitable amine hardeners such as BECKOPOX EH 613w or BECKOPOX EH 623w fast drying coatings for metallic and mineral substrates can be formulated. BECKOPOX EP 2350w is not shear stable. Grinding of pigments and fillers shall be done in the hardener.

### MIXING RATIO AND POT LIFE

A blend of

100.0 g BECKOPOX EP 2350w/60WA  
25.0 g BECKOPOX EH 613w/80WA  
30.0 g deionized water

has a processing time at 23°C of approx. 60 min. The end of processing time can not be seen by an increase of viscosity or gelation. Therefore it is necessary to use the material within the stated time limit. The substrate temperature should not be below 12°C and the relative humidity not above 80%.

### STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 180 days.

It is important to protect BECKOPOX EP 2350w/60WA from frost; at low temperatures it has therefore to be stored under frostproof conditions.

### DISTINGUISHING FEATURES

In comparison to BECKOPOX EP 384w chemical resistance of BECKOPOX EP 2350w is higher, penetration into porous substrates is better and drying is slower.

### 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.

### REMARK:

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.