BECKOPOX™ EP 2392w/70MP

Technical Datasheet

PRELIMINARY PRODUCT INFORMATION

TYPE

Solid epoxy resin, flexibilized, water-emulsifiable

FORM OF DELIVERY (f.o.d.)

70 % in methoxypropanol (70MP)

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 (25 1/s; 23 °C)	[mPa.s]	1000 - 5000
Epoxy-Equivalent VLN 305 epoxy equivalent (form of delivery)	[g/mol]	650 - 780
Non-Volatile Matter DIN 55671 non-volatile matter (125 °C; 10 min)	[%]	68 - 72

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm³]	1,08
Flash Point DIN EN ISO 1523 flash point approx.	[°C]	32

SPECIAL PROPERTIES AND USE

Beckopox EP 2392w/70MP is an internally flexibilized type 1-solid epoxy resin, diluted in methoxypropanol. This solution can be easily emulsified with water in a high-speed mixer to achieve a stable dispersion.

Beckopox EP 2392w/70MP is used to formulate anticorrosive primers, single- or topcoats, due to its water-free form of delivery this product is very well suited for processing of water-sensitive pigments like zinc dust, such zinc-rich primers exhibit outstanding anticorrosive properties.

Suitable hardeners are e. g. Beckopox EH 613w, VEH 2849w oder EH 623w.

MIXING RATIO AND POTLIFE

A blend of

100.0 g Beckopox EP 2392w/70MP
20.3 g Beckopox EH 613w/80WA
20.3 g deionized water

has a potlife of approx. 3.5 hours at 25 °C and 34 % humidity. The end of potlife cannot be observed by viscosity increase or gelation so that is recommended to use the formulated lacquer within the stated time limit.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

Beckopox EP 2392w/70MP can become turbid and structural viscous after storage at low temperatures. After warming up to 40 °C normal viscosity and appearance is achieved again.

DISTINGUISHING FEATURES

Beckopox EP 2392w/70MP yields similar film properties to Beckopox EP 386w, slower hardness-development can be observed. The absence of water in form of delivery allows the use in zinc-rich primers as well as transport at low temperatures.

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.