

TYPE

A/F-liquid epoxy resin, water-emulsifiable

FORM OF DELIVERY (f.o.d.)

100 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (100 1/s; 23 °C)	[mPa.s]	9000 - 13000
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Epoxy-Equivalent VLN 305

epoxy equivalent (form of delivery)	[g/mol]	188 - 200
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Iodine Colour Number DIN 6162

iodine colour number		<= 3
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Not continually determined:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (100 1/s; 25 °C)	[mPa.s]	7000 - 10000
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Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,17
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Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	> 100
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SPECIAL PROPERTIES AND USE

Non-crystallizing, contains co-reacting emulsifiers.
Primers/coatings on mineral and metallic substrates.

Adhesives and water-washable jointing-compounds for tiles.

SUGGESTED USES AND PROCESSING

Beckopox EP 147w is a non-crystallizing Bisphenol A/F liquid epoxy resin containing cross-linkable emulsifiers. Formulations cured with Beckopox EH 613w, EH 623w or EH 659w give hard films with high abrasion resistance, good corrosion protection and chemical resistance.

To adjust viscosity a reduction with reactive diluents such as Beckopox EP 075 is possible.

Beckopox EP 147w can be formulated together with the solid resin dispersions Beckopox EP 384w or EP 385w to improve their hardness adhesion to porous substrates.

MIXING RATIO AND POT LIFE

A blend of

100 g Beckopox EP 147w
75 g Beckopox EH 613w/80WA
125 g deionized water

has a pot life at 23 °C of approx. 2 hours, which can not be observed through a pronounced increase in viscosity, so that it should be used within this time period. The substrate temperature should not be below 10 °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 365 days.

DISTINGUISHING FEATURES

Beckopox EP 147w gives in comparison with Beckopox EP 122w more rapid curing, harder films with better chemical resistance and corrosion protection.

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.