

TYPE

Solid epoxy resin - (type 1) - dispersion in water

FORM OF DELIVERY (f.o.d.)

55 % in water (55WA)
(containing also 5.5 % methoxy propanol)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (10 1/s; 23 °C)	[mPa.s]	3500 - 12000
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Epoxy-Equivalent VLN 305

epoxy equivalent (form of delivery)	[g/mol]	850 - 960
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Epoxy-Equivalent VLN 305

epoxy equivalent (non volatile matter)	[g/mol]	470 - 530
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 1 g)	[%]	53 - 57
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,08
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Flash Point (Pensky-Martens) DIN EN ISO 2719

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

Beckopox VEP 2382w is a solid type 1 epoxy resin as aqueous dispersion.

When cured with suitable curing agents such as Beckopox EH 623w or EH 659w fast drying coating systems for mineral or metallic substrates can be formulated.

MIXING RATIO AND POTLIFE

A blend of

100,0 g Beckopox VEP 2382w/55WA
22,2 g Beckopox EH 623w/80WA
22,2 g deionized water

has a potlife of approx. 40 minutes at 23 °C. The termination point cannot be observed by viscosity increase of gelation so that is recommended to use the formulated mix within the stated time limit.

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 VEP 2382w from frost; at low temperatures it has therefore to be stored under frostproof conditions. The viscosity of Beckopox VEP 2382w might decrease during storage.

The product tends to form a tiny skin on the surface. It is therefore recommended to filter Beckopox VEP 2382w prior to use.

Lowest storage temperature: 5 °C

DISTINGUISHING FEATURES

Beckopox VEP 2382w is similar in structure to Beckopox EP 384w but has due to its reduced solvent content a much shorter potlife.

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.