

PRELIMINARY PRODUCT INFORMATION

TYPE

Aliphatic polyamine dispersion

FORM OF DELIVERY (f.o.d.)

44 % in water (44WA)

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.

NH-equivalent weight

250 g/NH-equivalent (on solid matter)

570 g/NH-equivalent (on form of delivery)

TENTATIVE PRODUCT DATA

Determined per batch:

Colour / Appearance VLN 250

colour	white
appearance	opaque

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (100 1/s; 23 °C)	[mPa.s]	100 - 700
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Non-Volatile Matter DIN 55671

non-volatile matter (125 °C; 10 min)	[%]	42,5 - 45,5
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EPA - Value VLN 153

EPA-value	[mmol/g]	3,57 - 4,10
Perchlor acid 0,1 m, crystal violett Amine value [mg KOH/g] 200 - 230 (Amine value = EPA-value x 56) (solid resin) (solid matter content; propylene carbonate / glac. ac. acid 4:1; 0,5 g)		

Not continually determined:

pH-Value DIN ISO 976

pH-value (10 %)		9 - 10
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Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,07
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Flash Point (CCCFP) ASTM D 6450

flash point	[°C]	> 95
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Organic solvent content < 0,1 %

Low Mw amine content < 0,2 %

SPECIAL PROPERTIES

Amine-hardener dispersion, particularly suitable for the formulation of waterborne 2K-epoxy coatings for concrete and metal, free of volatile amines and solvents.

In combination with epoxy dispersions or suitable liquid epoxy resins, fast drying coatings with an excellent performance can be obtained. The product is easy to handle and to apply, even without the use of additional organic solvents.

TECHNICAL PROFILE

- possibility to formulate VOC-free paints
- low odor
- fast drying
- good drying properties also at low temperature
- infinite dilutability with water
- easy to use with epoxy dispersions and also with liquid epoxy resins
- good chemical and water resistance
- shear stable even at elevated temperatures (50 °C)
- potlife (> 1 h) and gloss are depending on the epoxy component used (dispersion or liquid epoxy, reactive diluent)

STORAGE

At temperatures from 5 °C to 25 °C storage stability packed in original containers amounts to at least 180 days.

It is important to protect Beckocure EH 2100W/44WA from freezing and direct sunlight.

Lowest storage temperature: 5 °C

PRECAUTIONS

Please review the information in the material safety data sheet (MSDS).

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.