

## TYPE

Polyamine adduct

## H-equivalent-weight

(form of delivery) 138 g/mol  
(solid matter) 69 g/mol

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

50 % in water (50WA)

## PRODUCT DATA

### Determined per batch:

#### Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (100 1/s; 23 °C)	[mPa.s]	10 - 100
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#### Amine Value (Reaction Resins) DIN 16945 / 5.6

amine value (form of deliver)	[mg KOH/g]	200 - 230
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#### Iodine Colour Number DIN 6162

iodine colour number		<= 10
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### Not continually determined:

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

density approx. (20 °C)	[g/cm <sup>3</sup> ]	1,09
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#### Flash Point (CCCFP) ASTM D 6450

flash point	[°C]	> 94
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## SPECIAL PROPERTIES AND USE

Beckopox EH 2189w is a highly reactive amine hardener for waterbased 2K epoxy coatings on metallic substrates.

It is used together with solid epoxy resin dispersions like e. g. Beckopox EP 384w. Coating systems for metallic substrates can be formulated with excellent humidity and salt spray resistance. The use of 70 - 80 % of the stoichiometric curing agent quantity has given best results.

Beckopox EH 2189w is highly reactive. Very fast drying and fast through curing coatings with at the same time excellent anticorrosion properties are obtained.

The fast drying properties of coatings with Beckopox EH 2189w support formulation of textured paints.

## MIXING RATIO AND POT LIFE

A blend of

100,0 g Beckopox EP 384w/53WAMP  
14,1 g Beckopox EH 2189w/50WA

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.

## STORAGE

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

Beckopox EH 2189w tends to crystallisation at storage temperatures below 10 °C or temperature variations. By this, the product will not suffer any damage, but the necessary regeneration requires extended heat treatment at 40 - 50 °C with continuous stirring. Storage at temperatures less than 10 °C must be avoided.

**Lowest storage temperature: 10 °C**

## DISTINGUISHING FEATURES

Beckopox EH 2189w is more reactive than Beckopox EH 613w and Beckopox VEH 2188w and dries faster.

## 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.