

TYPE

Polyamidoamine

FORM OF DELIVERY (f.o.d.)

70 % in xylene (70X)

H-equivalent weight

(f.o.d.) 255 g/mol
(solids) 178 g/mol

SPECIAL PROPERTIES

In combination with Beckopox EP 301 for solvent-based primers and coatings with long processing time, for mineral and metallic substrates.

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	550 - 1700
(500 1/s; 23 °C)		

Amine Value (Reaction Resins) DIN 16945 / 5.6

amine value	[mg KOH/g]	155 - 185
(form of deliver)		

Iodine Colour Number DIN 6162

iodine colour number		<= 20
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Not continually determined:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	500 - 1500
(500 1/s; 25 °C)		

Density (Liquids) DIN EN ISO 2811-2

density	[g/cm ³]	0,95
approx.		
(20 °C)		

Flash Point DIN EN ISO 1523

flash point	[°C]	25
approx.		

SUGGESTED USES AND PROCESSING

Combinations of Beckopox EH 651 with epoxy resins, both solventbased and solvent-free, give systems with long pot life. Cured films show good flexibility, adhesion, water resistance and resistance to many chemicals.

The product is preferably used in combination with xylene-based solid epoxy resins, such as Beckopox EP 301, for metal coatings and anti-corrosion-primers.

Modified with suitable grades of tar, coating systems for e. g. lock gates, concrete and underground-installed conduits can be formulated. Zinc rich primers can also be formulated.

MIXING RATIO AND POTLIFE

A blend of

100 g Beckopox EP 301/75X
40 g Beckopox EH 651/70X

starts to gel at 23 °C after approx. 8 hours.

STORAGE

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

The product may show green coloration.

DISTINGUISHING FEATURES

Beckopox EH 651 gives the longest processing time of the polyamidoamines in the Beckopox range.

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.

