

TYPE

Mannich base (aliphatic polyamine)

H-equivalent weight (f.o.d.)

80 g/mol

FORM OF DELIVERY (f.o.d.)

approx. 88 % in benzyl alcohol

SPECIAL PROPERTIES AND USE

Free-phenol-content < 5 %, curing at temperatures as low as 5 °C.
Good chemical-resistance. Coatings, adhesives, laminates. Accelerator for low reactive hardeners.

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	2300 - 3800
(100 1/s; 23 °C)		

Amine Value (Reaction Resins) DIN 16945 / 5.6

amine value	[mg KOH/g]	430 - 470
(form of deliver)		

Iodine Colour Number DIN 6162

iodine colour number		<= 5
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Not continually determined:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	1800 - 3000
(100 1/s; 25 °C)		

Density (Liquids) DIN EN ISO 2811-2

density	[g/cm ³]	1,11
approx.		
(20 °C)		

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	> 100
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SUGGESTED USES AND PROCESSING

In combination with liquid epoxy resins Beckopox EH 624 is especially suited for formulating very well chemical resistant container linings, flooring compounds and coatings for steel structures. The curing agent has a high reactivity in thin films as well as in highly filled systems. Even at low temperatures and high humidity a hard tack-free surface is obtained. It is also used for improving the reactivity of cycloaliphatic polyamines such as Beckopox EH 637.

MIXING RATIO AND POT LIFE

A blend of

100 g Beckopox EP 140
 43 g Beckopox EH 624

starts to gel at 23 °C after approx. 20 - 25 minutes.

STORAGE

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

DISTINGUISHING FEATURES

Beckopox EH 624 contains less free phenol than Beckopox EH 629 and shows better early-water-resistance.

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.

