

“Be Part of Innovation”

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Baxxodur™: 2008 Curing Agent Portfolio

Under the Baxxodur brand, BASF sells a broad range of curing agents for professional epoxy resin processing. The company, which benefits from many years of expertise in this area, produces the world's most comprehensive portfolio of amine-based curing agents. BASF's complete backward integration that includes even raw materials ensures great dependability of supply.

The company supports its customers in selecting suitable curing agents by providing specific information on product applications and properties in this portfolio overview.

On request, BASF additionally informs customers who buy Baxxodur products about technical details by means of technical data sheets.

Baxxodur™ is a trademark of BASF SE in all countries of the EU, USA, China, Japan, Australia, Korea, Thailand, India, Taiwan, Singapore and Malaysia.



The Chemical Company

www.basf.de/intermediates



Baxxodur™:

When Curing Makes the Difference

Baxxodur	AHEW g/eq	Viscosity 23°C, [mPa*s]	Gel Time [min.]	Chemical Character	Characteristics	Application				
						Adhesives	Construction	Composites	Electronics	Coatings
EC 110	~26	8~9	40~60	Aliphatic amine	Fast curing, high hardness, high temperature resistance	■	■■■	■■	■■	■■■
EC 280	~52	10~11	100~140	Aliphatic amine	Good toughness, good flexibility, good adhesion	■■■	■	■■■	■	■
EC 331	~61	~110	320~480	Cycloaliphatic amine	Excellent moisture resistance, high temperature resistance	■■■	■■	■■■	■■■	■■
EC 130	~56	13~14	80~120	Aliphatic amine	Excellent toughness and thermal shock resistance, excellent adhesion	■■■	■	■■■	■	■
EC 252	~52	~7	160~240	Cycloaliphatic amine	Good toughness, good adhesion, good moisture resistance	■■	■■	■■	■■	■■
EC 201	~43	19~20	130~190	Cycloaliphatic amine	High strength, high temperature resistance, good moisture resistance	■■■	■■■	■■■	■■■	■■■
EC 301	~61	9~10	>550	Polyether amine	Good toughness, good flexibility, excellent adhesion	■■■	■■■	■■■	■	■■
EC 310	~81	102~103	>500	Polyether amine	Excellent adhesion, good flexibility	■■■	■■	■■■	■	■■
EC 302	~111	25~26	>600	Polyether amine	Good adhesion, high peel strength	■■	■	■■■	■	■
EC 303	~501	274~275	>600	Polyether amine	Excellent flexibility, high peel strength	■■	■	■■■	■	■
EC 311	~967	~870	>600	Polyether amine	Excellent flexibility, high peel strength	■■■	■	■■■	■	■
ECX 220	~48	~11	~113	Aliphatic amine	Excellent adhesion, excellent flexibility, good toughness, good chemical resistance	■■■	■■	■■■	■■■	■■
EC 1222	~40	~5	~63	Modified cycloaliphatic Amine	Excellent toughness, good adhesion, good chemical resistance	■■	■■■	■■	■■	■■
ECX 2221	~40	~8	~109	Modified aliphatic Amine	Good toughness, good adhesion, good flexibility, excellent chemical resistance	■■	■■	■■	■■	■■■

Viscosity falling ball viscometer
 Gel time 100g at 23°C ASTM D 2471
 ECX developmental product

■ good performance
 ■■ very good performance
 ■■■ excellent performance

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