

MLOCK Cyanoacrylates can be used for fixation of small parts up to structural applications of medium sized assemblies. MLOCK cyanoacrylates cure very quickly between close fitting joint surfaces. The moisture on the interfaces triggers the curing reaction, which runs from outside to the center of the bondline. MLOCK cyanoacrylates are used for fixation and for bonding of small to medium-sized parts.



MLOCK Cyanoacrylate Performance:

- Clean and Easy to apply
- High Tensile- and Tensile Shear resistance
- Short and Long Open Times available
- Solvent Free Formulations
- Surface Primer for Difficult-to-Bond substrates and Cure Speed Activator available
- Wide Spectrum of different Viscosities
- Wide Spectrum on bondable Substrates

MLOCK General Purpose series are universal applicable, low to high viscosity general purpose instant adhesives based on modified Ethyl cyanoacrylate. Recommended applications are bonding of elastomers, plastics, wood, ceramics, metals, leather, glass as well as porous and acidic surfaces.

MLOCK High Temperature series are universal applicable, low to high viscosity instant adhesives based on modified Ethyl cyanoacrylate with increased temperature resistance. They are used wherever cyclical temperature peaks up to 130°C can occur.

MLOCK Long Open Time series are universal applicable, low to high viscosity long open time instant adhesives based on modified Ethyl cyanoacrylate. They are used wherever long open times are required. The comparatively long open times and slow curing behaviour enables a wider range of larger parts applications.

MLOCK Rubber Toughened series are universal applicable, low to high viscosity rubber toughened instant adhesives based on special rubber modified Ethyl cyanoacrylate. Due to their very good resistance to impact and shock loads, these adhesives are primarily used for metal bonding. In addition, these adhesives have increased resistance to moisture and other climatic influences.

MLOCK Low Bloom series are universal applicable, low to high viscosity, Low Bloom instant adhesives based on special Alkoxy modified Ethyl cyanoacrylate. Due to their improved efflorescence and low odour properties, these adhesives are suitable for visually appealing requirements on bondlines as well as for assembly of solvent sensitive plastic substrates.

MLOCK Activators are Cure Speed and Surface Adhesion promoters for Pre- and Posttreatments.

Series		General Purpose						High Temperature		Long Open Time		Rubber toughened ²					Low Bloom		
Product		CA14-45	CA14-01	CA14-41	CA14-25	CA14-60	CA14-70	CA14-02	CA14-42	CA14-03	CA14-43	CA14-88	CA14-82	CA14-87	CA14-85	CA14-80	CA14-92	CA14-91	CA14-90
Code		Gel	GPHV	GPMV	GPLV	GPVLV	GPWG	HTHV	HTMV	LOHV	LOMV	RTHVCLR	RTHVBLK	RTHVCLR	RTMVCLR	RTMVBLK	LBHV	LBMV	LBWG
Viscosity		thixotropic	high	medium	low	very low	wicking grade	high	medium	high	medium	high	high	high	medium	medium	high	medium	wicking grade
		Gel	1500 mPas	90-120 mPas	50-70 mPas	20-35 mPas	2-6 mPas	1500 mPas	120 mPas	1500 mPas	120 mPas	4000 mPas	2500 mPas	2000 mPas	400 mPas	400 mPas	1000 mPas	90-120 mPas	2-6 mPas
Curing Speed		5-10 sec	20-40 sec	3-10 sec	5-2 sec	2-1 sec	5-20 sec	5-30 sec	5-20 sec	35-60 sec	35-60 sec	3-10 sec	30-60 sec	5-20 sec	10-20 sec	20-5 sec	5-20 sec	5-20 sec	5-10 sec
Colour		colourless / transparent						colour less / transparent		colour less / transparent		colour less / transparent	black	colour less / transparent		black	colour less / transparent		
Temperature		-55 °C to +100 °C						-55 °C to +130 °C		-55 °C to +100 °C		-55 °C to +100 °C					-55°C to +100°C	-55°C to +130°C	-55°C to +100°C
Container sizes	Standard	20 g Tube	20 g/50 g	20 g	20 g	20 g	20 g	20 g	20 g	20 g	20 g	20 g	20 g	20 g	20 g	20 g	20 g	20 g	20 g
	Special ¹	10 g, 50 g, 500 g, 1000 g on request																	
Description		Universal instant adhesive	Universal instant adhesive	Universal instant adhesive	Universal instant adhesive	Universal instant adhesive	Universal instant adhesive	High Temperature instant adhesive	High Temperature instant adhesive	Long Open Time instant adhesive	Long Open Time instant adhesive	Rubber Toughened instant adhesive	Rubber Toughened instant adhesive	Rubber Toughened instant adhesive	Rubber Toughened instant adhesive	Rubber Toughened instant adhesive	Low Bloom instant adhesive	Low Bloom instant adhesive	Low Bloom instant adhesive
		very high viscosity	high viscosity	medium viscosity	low viscosity	very low viscosity	capillaric	high viscosity	medium viscosity	very high viscosity	medium viscosity	high viscosity	high viscosity	high viscosity	medium viscosity	medium viscosity	high viscosity	medium viscosity	cappilaric
		Anti drip																	
		Main product for overhead bondings or on vertical surfaces		Especially for porous and acidic surfaces	Very fast curing speed (depending on substrate and bonding gap);	Fast bondings of rubber, elastomers and plastics;		for Temperature peaks of up to 130°C	for Temperature peaks of up to 130°C	Long Open Time	Long Open Time	very good resistance to impact and shock loads	very good resistance to impact and shock loads	very good resistance to impact and shock loads	very good resistance to impact and shock loads	very good resistance to impact and shock loads	improved Low Bloom and Low Odour properties	improved Low Bloom and Low Odour properties	improved Low Bloom and Low Odour properties
Suitability on various Substrates																			
Plastics		+	+	+	+	++	++	+	+	+	+	+	+	+	++	+	+	+	+
Elastomers		+	+	+	+	++	++	+	+	+	+	+	++	+	++	++	+	+	+
Metals		+	++	+	+	+	+	+	+	+	+	+	++	+	+	++	+	+	+
Porous and Acidic Surfaces ³		++		++					+		+	++		++	++		++	++	++

¹MOQ for special container filling process

²Shake it before use

³Paper, wood, leather, cork, textiles, galvanized or chromated metals

Function	Improve Adhesion	Improve Curing Speed	Surface Cleaning
Name	Primer MLock A14-701-10	Activator Mlock A14-113	Cleaner A14-61-400
Colour	Colourless	Colourless	Colourless
Usage	Before Adhesive Application	Before and After Adhesive Application	Cleaning Agent
Container sizes	Standard	10 ml brush bottle	10 ml brush bottle, 200 ml Spray
	Special ¹	on request	
Description	Polyolefine Primer for different to bond plastics (PE, PP, PTFE, etc)	Universal Activator for improving the curing speed and adhesion on substrates	Surface Cleaning Agent

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