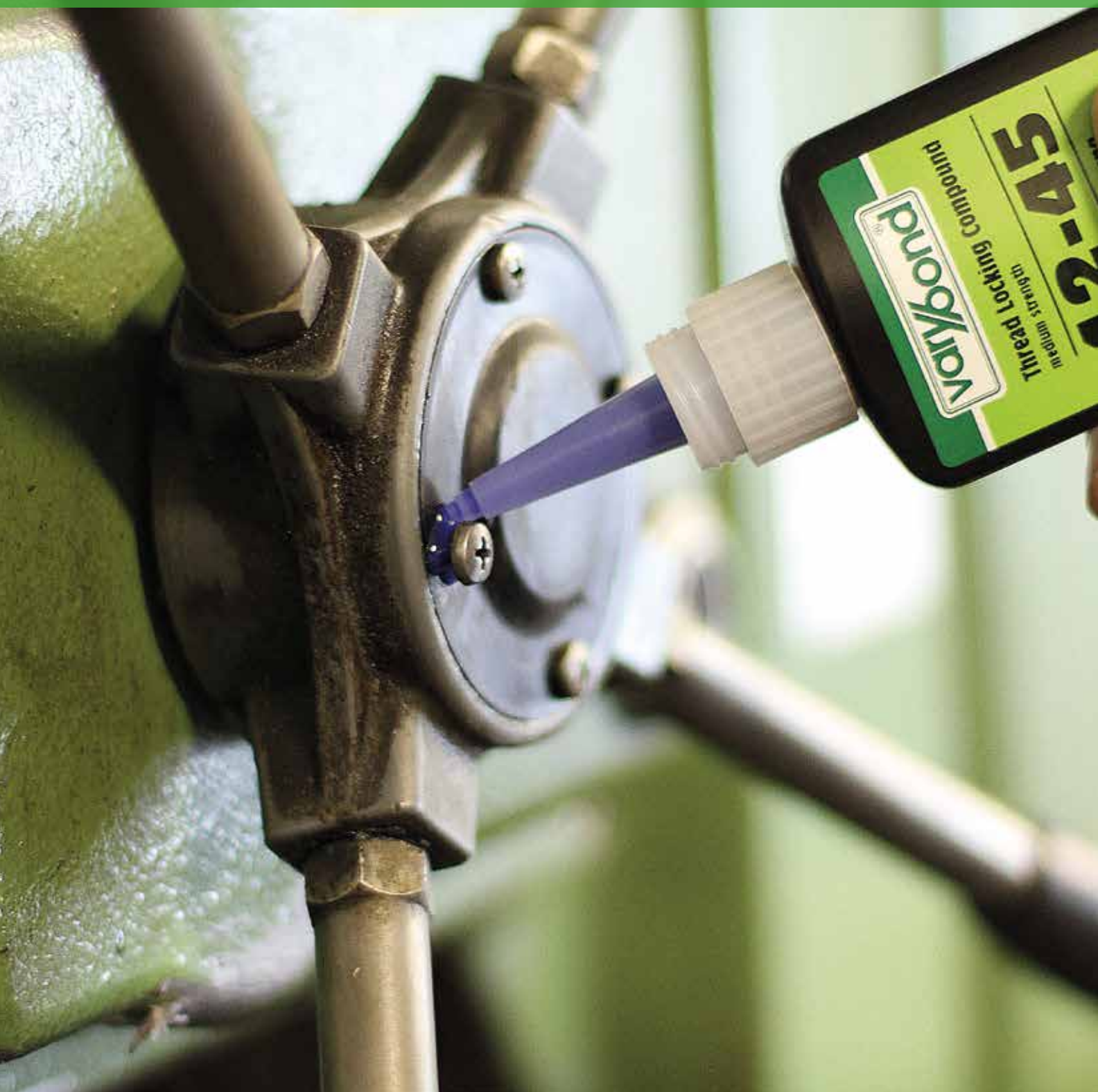




INDUSTRIAL ADHESIVES

Selector for Anaerobic and Cyanoacrylat Adhesives



Anaerobic Adhesive

Art. No.	Name	Colour	Viscosity [mPas]	Gap filling (max) [mm]	Tread size (max.)	Temperature Range [°C]	Final strength (hours)	Approvals
12-22	Thread locking compound low strength	Purple	1.000	0,2	M 36	-55 to +150	3	-
12-41	Thread locking compound medium strength	Blue	150	0,15	M 12	-55 to + 150	3	-
12-42	Thread locking compound medium strength	Blue	2.200 tx	0,25	M 36	-55 to +150	1	NSF, DVGW
12-43	Thread locking compound medium strength	Blue	2.800	0,25	M 36	-55 to +150	12	-
12-62	Thread locking compound high strength	Red	1.500 tx	0,25	M 36	-55 to +150	4	NSF
12-71	Thread locking compound high strength	Green	700	0,15	M 20	-55 to +150	3	NSF
12-75	Thread locking compound high strength, temp. resistant	Red	10.000 tx	0,2	M 36	-55 to +200	6	-
12-90	Thread locking compound high strength, capillary action	Green	20	0,07	M 5	-55 bis +150	1	-
15-10	Thread locking compound high strength, temp. resistant	Red	80.000 tx	0,5	-	-55 to +200	6	NSF
15-18	Thread locking compound medium strength, flexible	Red	250.000 tx	0,5	-	-55 to +150	3	-
15-42	Pipe thread sealant medium strength	Brown	600	0,15	3/4"	-55 to +150	3	-
15-72	Pipe thread sealant medium strength, with PTFE	White	17.500 tx	0,3	3"	-55 to +150	3	NSF, DVGW
15-73	Surface gasketing low strength	Green	20.000 tx	0,3	-	-55 to +150	6	NSF
15-74	Surface gasketing medium strength	Orange	34.000 tx	0,5	-	-55 to +150	6	NSF
15-77	Surface gasketing medium strength	Yellow	23.000 tx	0,5	3"	-55 to +150	3	NSF, DVGW
15-86	Surface gasketing high strength	Red	6.500	0,3	2"	-55 to +150	12	NSF, DVGW
16-03	Assembly cement high strength	Green	150	0,15	M 12	-55 to +150	6	NSF
16-20	Assembly cement high strength, heat resistant	Green	12.000	0,2	M 36	-55 to +200	3	DVGW
16-38	Assembly cement high strength	Green	2.500	0,2	M 36	-55 to +150	1	NSF
16-40	Assembly cement high strength	Green	600	0,15	M 20	-55 to +175	12	NSF, DVGW
16-41	Assembly cement high strength	Yellow	500	0,15	M 12	-55 to +150	1	-
16-48	Assembly cement high strength, heat resistant	Green	550	0,15	M 20	-55 to +175	1	NSF, DVGW

Fully cured after 24 hours

Cyanoacrylate Adhesives

Art.	Type	Colour	Viscosity [mPas]	Tensile strength	Temperature range [°C]	Final strength [s]	Final strength [s] SBR	Final strength [s] EPDM
14-01	General purpose	colourless	80	-	-30 to +80	70	5	8
14-06	Special application Elastomer	colourless	20	-	-30 to +80	30	4	3
14-15	Plastic	colourless	1.000	-	-30 to +80	70	8	8
14-31	Metal	colourless	<10	>18	-50 to +80	30	-	-
14-35	General purpose	colourless	2.000	-	-30 to +80	70	10	12
14-38	Plastic	colourless	25	-	-30 to +80	40	4	3
14-54	General purpose GEL	colourless	110	-	-30 to +80	110	24	35
14-60	Special application odorless	colourless	50	-	-30 to +100	110	11	8
14-80	Special application Black	black	400	>20	-30 to +120	45	15	20
14-93	Plastic	colourless	<10	-	-30 to +80	35	6	8
14-96	General purpose	colourless	80	-	-30 to +80	60	4	8
14-98	Special application	colourless	400	-	-55 to +105	30	10	15
14-204	Metal	colourless	<10	-	-30 to +100	90	7	15
14-205	Plastic	colourless	1.000	-	-30 to +80	35	6	8

Keep cyanoacrylate adhesive in a cool place. Storage temperature 5°C to 7°C.

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Thread locking compounds

-55°C up to +150°C		
low strength	medium strength	high strength
low / medium viscosity 12-22 General purpose product. Ideal for thread connections requiring greasy disassembling.	low viscosity 12-61 General purpose product. Suitable for fine thread applications.	medium viscosity 12-42 General purpose product for a diversity of applications. Excellent thermal stability.
medium viscosity 12-43 General purpose product. Excellent thermal stability and media resistance.	medium viscosity 12-62 Mainly used for high load securing. Ensures permanent installation of stud bolts.	low viscosity 12-71 Especially formulated for high-strength threaded connections.
low viscosity 12-90 Capillary action allows this product to wick into the micro pores, hairline cracks etc...	high strength, capillary action 12-75 High strength product for heavy duty and temperature resistant threaded connections.	+200°C high strength, temp. resistant high viscosity 12-75 High strength product for heavy duty and temperature resistant threaded connections.

Pipe thread sealants

-55°C up to +150°C		
medium strength	with PTFE	high strength
low viscosity 15-42 Quick hardening, solvent resistant anaerobic adhesive.	high viscosity 15-72 PTFE-filled adhesive with a low friction coefficient.	high viscosity 15-86 General purpose product. Excellent thermal stability and media resistance.
medium viscosity 15-77 General purpose product for all types of tapered and cylindrical pipe thread joints.	high viscosity 15-73 Low strength ensures easy parts removal. Suitable for all rigid metallic flanges.	high strength 15-10 Suitable as an alternative to solid gasket materials in flange connections / transmission housings.
low viscosity 15-74 Rapid hardening general purpose surface gasketing.	medium strength 15-74 Rapid hardening general purpose surface gasketing.	medium strength, flexible 15-18 Medium strength flexible surface sealer. Drip-free, can be used overhead.

Surface Gasketing

-55°C up to +150°C		
high strength	low strength	medium strength
high viscosity 15-10 Suitable as an alternative to solid gasket materials in flange connections / transmission housings.	high viscosity 15-73 Low strength ensures easy parts removal. Suitable for all rigid metallic flanges.	high viscosity 15-74 Rapid hardening general purpose surface gasketing.
high viscosity 15-77 General purpose product for all types of tapered and cylindrical pipe thread joints.	high viscosity 15-73 Low strength ensures easy parts removal. Suitable for all rigid metallic flanges.	high viscosity 15-74 Rapid hardening general purpose surface gasketing.
high viscosity 15-86 General purpose product. Excellent thermal stability and media resistance.	high viscosity 15-73 Low strength ensures easy parts removal. Suitable for all rigid metallic flanges.	high viscosity 15-74 Rapid hardening general purpose surface gasketing.

Assembly Cements

-55°C up to +150°C		
low viscosity	medium viscosity	low viscosity
16-03 High strength assembly cement.	16-38 Quick hardening and suitable for highest static shearing stresses.	16-41 General purpose adhesive for fixing bushed bearings and shaft-mounted gears.
medium viscosity 16-40 Slow hardening anaerobic adhesive providing excellent thermal resistance.	low viscosity 16-20 High strength fixation and is extremely resistant against elevated temperatures.	low viscosity 16-48 Quick hardening high strength product. Heat resistant and high resistance to acids / alkaline solutions.
low viscosity 16-03 High strength assembly cement.	low viscosity 16-20 High strength fixation and is extremely resistant against elevated temperatures.	low viscosity 16-48 Quick hardening high strength product. Heat resistant and high resistance to acids / alkaline solutions.

Preparation

+200°C	
high strength, heat-resistant high viscosity 16-20 High strength fixation and is extremely resistant against elevated temperatures.	low viscosity 16-48 Quick hardening high strength product. Heat resistant and high resistance to acids / alkaline solutions.
high strength, heat-resistant high viscosity 16-20 High strength fixation and is extremely resistant against elevated temperatures.	low viscosity 16-48 Quick hardening high strength product. Heat resistant and high resistance to acids / alkaline solutions.

General Purpose

up to +80°C		
low viscosity	high viscosity	Gel
14-01 General purpose adhesive for a broad range of applications / material pairings.	14-35 General purpose adhesive. Well suited to porous materials and uneven surfaces.	14-54 Excellent gap filling properties. Perfect to use overhead.
low viscosity 14-96 General purpose adhesive for a broad range of applications / material pairings.	low viscosity 14-96 General purpose adhesive for a broad range of applications / material pairings.	low viscosity 14-54 Excellent gap filling properties. Perfect to use overhead.
low viscosity 14-01 General purpose adhesive for a broad range of applications / material pairings.	low viscosity 14-35 General purpose adhesive. Well suited to porous materials and uneven surfaces.	low viscosity 14-54 Excellent gap filling properties. Perfect to use overhead.

Plastic

up to +80°C		
medium viscosity	mittelviskos	low viscosity
14-15 Excellent adhesive when bonding materials with different expansion coefficients.	14-205 Viscosity makes it ideal for application on porous plastic materials.	14-93 Excellent adhesive when bonding materials with different expansion coefficients.
medium viscosity 14-15 Excellent adhesive when bonding materials with different expansion coefficients.	mittelviskos 14-205 Viscosity makes it ideal for application on porous plastic materials.	low viscosity 14-93 Excellent adhesive when bonding materials with different expansion coefficients.
medium viscosity 14-38 Quick hardening adhesive, well suited for a variety of dissimilar plastics.	medium viscosity 14-38 Quick hardening adhesive, well suited for a variety of dissimilar plastics.	low viscosity 14-93 Excellent adhesive when bonding materials with different expansion coefficients.

Primer

For anaerobic adhesives	
Primer F Improves hardening properties when using anaerobic adhesives on galvanized and passivated surfaces.	Primer F Primer F accelerates the curing of anaerobic adhesives and is also ideal for larger gaps.
Primer F Improves hardening properties when using anaerobic adhesives on galvanized and passivated surfaces.	Primer F Primer F accelerates the curing of anaerobic adhesives and is also ideal for larger gaps.

Metal

+80°C	
all standard metals	all standard materials
low viscosity 14-31 Express-hardening, ideal for bonding smooth metal parts to similar counterparts.	low viscosity 14-01 General purpose adhesive for a broad range of applications / material pairings.
high viscosity 14-204 Slow-hardening adhesive with high shearing resistance. Highly flexible.	low viscosity 14-06 Elastomer adhesive ensures quick and easy adhesion of all common types.
high viscosity 14-204 Slow-hardening adhesive with high shearing resistance. Highly flexible.	low viscosity 14-60 Odorless non-blooming adhesive. Does not leave any visible traces.
low viscosity 14-31 Express-hardening, ideal for bonding smooth metal parts to similar counterparts.	low viscosity 14-60 Odorless non-blooming adhesive. Does not leave any visible traces.

Special

+100°C	
black	difficult to bond
14-80 Black adhesive, developed for applications under thermal / climatic conditions.	14-98 Adhesive with improved impact resistance, and excellent resistance to shearing stresses.
medium viscosity 14-80 Black adhesive, developed for applications under thermal / climatic conditions.	medium viscosity 14-98 Adhesive with improved impact resistance, and excellent resistance to shearing stresses.
medium viscosity 14-80 Black adhesive, developed for applications under thermal / climatic conditions.	medium viscosity 14-98 Adhesive with improved impact resistance, and excellent resistance to shearing stresses.

Preparation

Primer for Cyanoacrylate Adhesives	
Primer L For situations with less-than ideal bonding properties.	Primer L For situations with less-than ideal bonding properties.
Primer L For situations with less-than ideal bonding properties.	Primer L For situations with less-than ideal bonding properties.