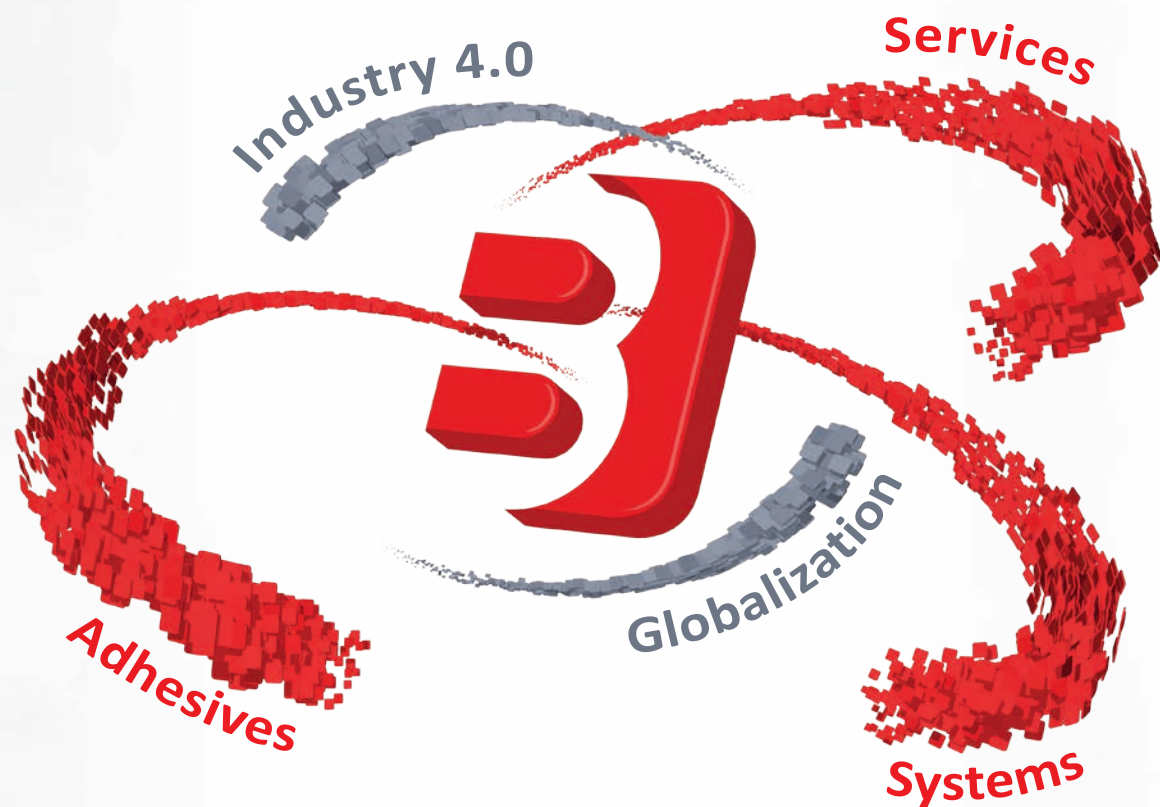




ADHESIVES
DOSING SYSTEMS
SERVICES



PRODUCT CATALOG



ADHESIVES | DOSING SYSTEMS | SERVICES

DREI BOND is a system provider for the bonding process in industrial production. The product spectrum ranges from the selection of the optimal adhesive or sealant to fully automatic dosing in the production process.

DREI BOND aims to professionally support the customer in the bonding process from A – Z from a single source and thus avoid the otherwise usual many interfaces.

In addition to high-performance adhesives and sealants, the product portfolio also includes dosing systems for adhesives and sealants (1 and 2 components), oils, greases and oil fillings.

The aim of DREI BOND’s work is to support its customers as an innovative partner with sustainable and technologically leading offers in their respective markets and to strengthen their competitiveness. Our actions focus on the highest level of customer satisfaction.

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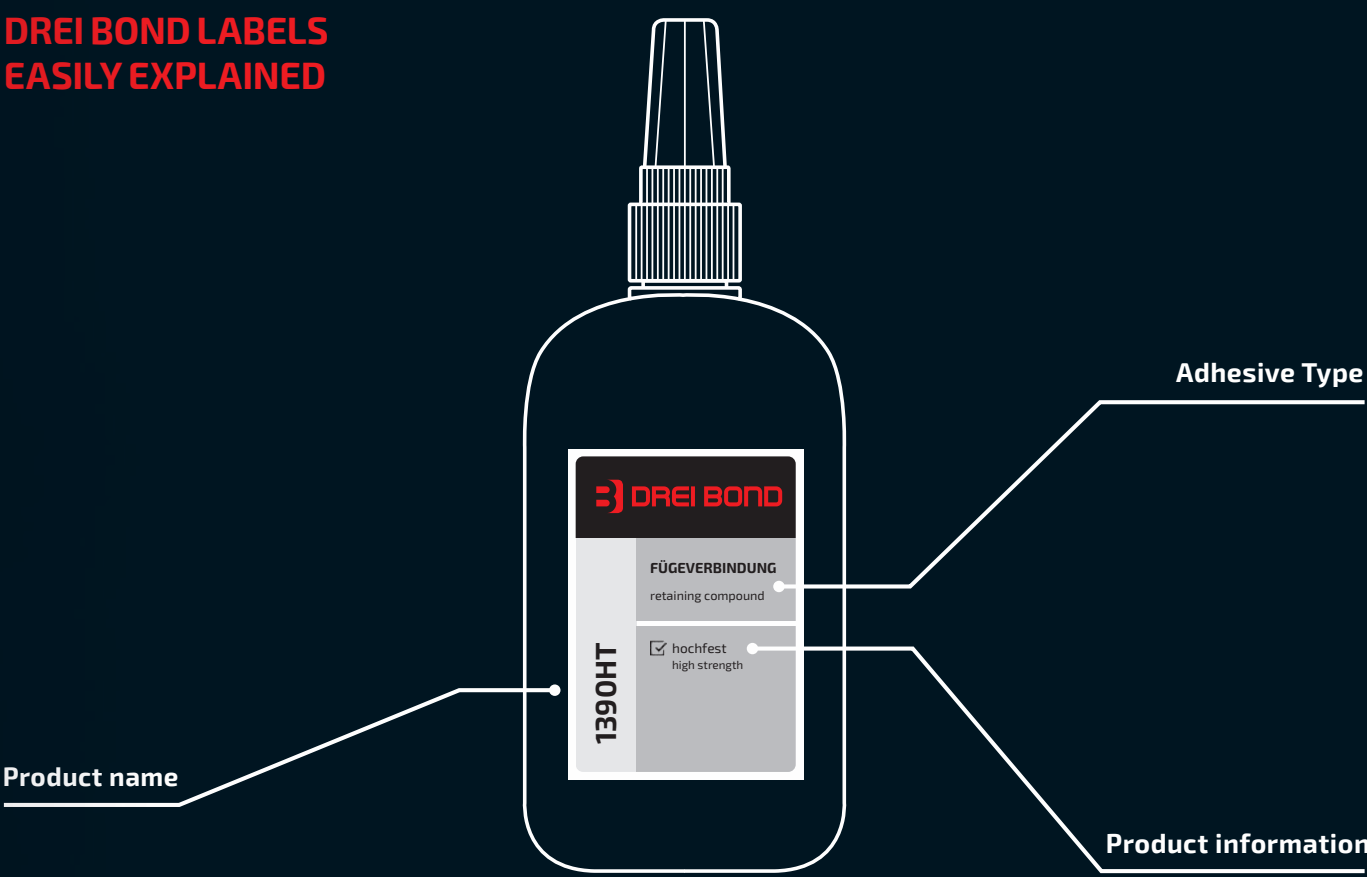
THE NEW LABELS



DREI BOND DARK MODE DESIGN

We present our new Dark Mode DREI BOND labels!
Chic, elegant, fresh and modern. At first glance, these labels now contain all the important information and properties for each individual product. Nothing stands in the way of safe and professional handling of the product.

DREI BOND LABELS EASILY EXPLAINED



For special use: Approvals for special DREI BOND adhesives



Special anaerobic adhesives are required for threaded connections in gas installations, which ensure that they do not have any negative effects on the gas flowing in the line. With the DVGW certification, the relevant properties of the adhesives are examined. Adhesives that pass these tests receive a DVGW certificate and have to undergo an annual inspection. All DREI BOND products with this logo can therefore be used as screw locking or thread sealing in connection with technical gases.



Adhesives with the NSF® logo have been tested by NSF International for health risks for use in the food industry and classified as harmless. NSF International lists all positively tested products, certificates and the associated adhesive suppliers in the so-called White Book™. The P1 classification covers all applications in which the adhesive is not in direct or indirect contact with food.

ANAEROBIC ADHESIVES



ANAEROBIC ADHESIVES AND SEALANTS

Anaerobic adhesives and sealants harden on contact with metal and in the absence of oxygen. The polymerisation (hardening) is greatly accelerated by the metal ions made available by the metal surface. When choosing the suitable adhesive, the metal alloy of the component to be bonded is very important.

To connect an active (metallic) with a passive (non-metallic or passive metal alloy) surface, the use of an activator is strongly recommended. Due to these properties, anaerobic adhesives from DREI BOND are also suitable for securing threads and screws.

Dual-curing adhesives can be used for special applications in which rapid curing is to be achieved with a UV adhesive, but there are shadow areas. The dual-curing adhesives from DREI BOND are both UV and anaerobic curing. For this reason, the shadow areas must allow anaerobic curing (metal contact and oxygen exclusion) so that complete curing of the adhesive is guaranteed.



The curing (polymerization) takes place through metal contact, without oxygen contact (anaerobic).

ANAEROBIC ADHESIVES AT A GLANCE

Name	Description	Strength	Color	Viscosity [mPas]	Temperature Range [°C]	Max. Gap [mm]	Special Features	Certificates	Packaging [g]
1110	flange sealant	medium	white	25000 – 96000	-55 to +150	0,50			50, 100, 250, 300, 20000
5520	flange sealant	high	ivory	25000 – 42000	-55 to +150	M56 / 0,30			50, 100, 250, 8000
1118 rot	flange sealant	medium	red	70000 – 600000	-55 to +180	0,50			50, 100, 300, 5000
1118-1	flange sealant	low	green	17000 – 60000	-55 to +150	0,30			50, 100, 250, 300, 20000
5204HV	flange sealant	medium	yellow	75000 – 350000	-55 to +150	M56 / 0,30	white MSDS		50, 100, 300
1385	retaining compound	high	green	400 – 600	-55 to +175	M20 / 0,15			50, 250, 2000
1385NT	retaining compound	high	green	3000 – 4000	-55 to +150	M36 / 0,15			50, 250, 2000, 6000
1390HT	retaining compound	high	green	4500 – 8000	-55 to +200	0,25			50, 250, 2000
5454NT	retaining compound	high	green	3000 – 4000	-55 to +175	M36 / 0,20			50, 250, 2000, 6000
1395	thread sealant	high	green	5000 – 35000	-55 to +230	M56 / 0,30			50, 250
5204	thread sealant	medium	yellow	20000 – 80000	-55 to +150	M56 / 0,30	white MSDS	DVGW, NSF, WRAS	50, 250, 300
5353	thread sealant	high	green	8000 – 24000	-55 to +150	M56 / 0,30			50, 250
5510	thread sealant	low	white	17000 – 70000	-55 to +150	M20 / 0,15		DVGW	50, 250
1344	thread sealant	medium	blue	450 – 600	-55 to +150	M20 / 0,15	white MSDS		50, 250
1360	thread sealant	medium	red	800 – 1200	-55 to +150	M20 / 0,15	white MSDS		50, 250
1305	threadlocker	high	green	400 – 650	-55 to +200	M20 / 0,15			50, 250, 2000, 6000
1342	threadlocker	low	blue	600 – 800	-55 to +150	M20 / 0,15			50, 250, 2000, 6000
1375	threadlocker	high	red	5000 – 28000	-55 to +230	M56 / 0,30			50, 250, 2000
5300	threadlocker	high	green	10 – 20	-55 to +150	M5 / 0,07			50, 250, 2000
5314	threadlocker	medium	blue	1700 – 9000	-55 to +200	M36 / 0,25	white MSDS	DVGW	50, 250, 2000
5330	threadlocker	high	green	2200 – 4000	-55 to +200	M56 / 0,30	white MSDS	DVGW	50, 250, 2000
1305NT	threadlocker	high	green	3000 – 4000	-55 to +175	0,15			50, 250, 2000, 6000
2054	dual cure (AE/UV)	low	blue	25000 – 50000	-55 to +150	0,30	dual curing (AE/UV)		50, 250
6060	dual cure (AE/UV)	high	colorless	1200 – 1700	-55 to +120	0,30	dual curing (AE/UV)		50, 250, 2000
6066-10	dual cure (AE/UV)	high	colorless	25 – 50	-55 to +150	M5 / 0,07	dual curing (AE/UV)		50, 250

CYANOACRYLATE



CYANOACRYLATE

Cyanoacrylates are instant adhesives (colloquially superglue) that are primarily characterized by the speed of curing, usually within seconds. They can be used for sealing and joining almost all materials and are particularly suitable for small and medium-sized areas. DREI BOND also has special products for materials that are difficult to bond.

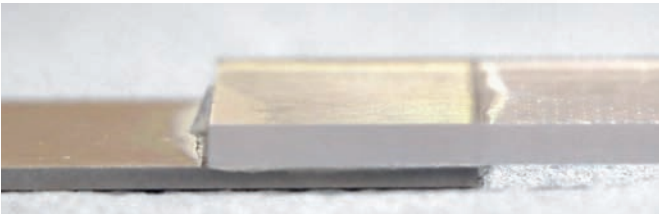


These types of “instant adhesives” cure within seconds.

BLOOMING EFFECT With some cyanoacrylates, the so-called blooming or blooming effect can occur. These are whitish discolorations that occur in the immediate vicinity of the adhesive joint.

The blooming effect comes about because the monomers that make up the adhesive in the liquid state are relatively volatile and evaporate. In the air, however, they react very quickly with the existing humidity and polymerize. The short-chain polymers (or oligomers) formed in this way are no longer volatile and are therefore deposited again directly in the vicinity of the adhesive joint.

There are special cyanoacrylate adhesives that are formulated on the basis of less volatile monomers, so that blooming is prevented. For the products in the table on the right, pay attention to “**not blooming**”.



CYANOACRYLATE AT A GLANCE

Name	Basic Component	Color	Viscosity [mPas]	Temperature Range [°C]	Gap to Fill [μm]	Special Features	Certificates	Packaging [g]
4025	ethyl cyanoacrylate	colorless	350 – 450	-50 to +80	10 – 150			20, 50, 500
4027	ethyl cyanoacrylate	colorless	1200 – 2000	-50 to +80	10 – 200	allows adjustments due to slower curing		20, 50, 500
4032	ethyl cyanoacrylate	colorless	5 – 10	-50 to +80	10 – 40			20, 50, 500
4034	ethyl cyanoacrylate	colorless	20 – 40	-50 to +80	10 – 100			20, 50, 500
4043S	ethyl cyanoacrylate (mod.)	colorless	80 – 150	-50 to +120	10 – 150		NSF	20, 50, 500
4047	ethyl cyanoacrylate (mod.)	colorless	gelförmig	-50 to +120	10 – 300	gel	NSF	20, 50, 500
4065	alkoxy-ethyl cyanoacrylate	colorless	3 – 10	-50 to +120	10 – 30	non-blooming, for coating of 3D-printed parts, white MSDS		20, 50, 500
4061	alkoxy-ethyl cyanoacrylate	colorless	10 – 20	-50 to +80	10 – 40	non-blooming, white MSDS		20, 50, 500
4067	alkoxy-ethyl cyanoacrylate	colorless	1000 – 1500	-50 to +80	10 – 200	non-blooming, white MSDS		20, 50, 500
4082	ethyl cyanoacrylate	colorless	90 – 110	-50 to +200	150	high temperature stable		20, 50, 500
4084	ethyl cyanoacrylate	black	2000 – 4000	-55 to +140	10 – 200	flexibilized		20, 50, 500
4085	ethyl cyanoacrylate	yellow	2000 – 4000	-55 to +140	10 – 200	flexibilized		20, 50, 500

FLEXIBLE ADHESIVES AND SEALANTS

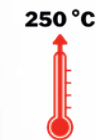


FLEXIBLE ADHESIVES AND SEALANTS

The flexible adhesives and sealants from DREI BOND are particularly suitable for applications in which the dynamic load-bearing capacity of the adhesive connection is in the foreground. The elasticity of the connection allows deformations between the adhesive surfaces to be compensated and thus prevents e.g. material fatigue and leaks. Due to the properties mentioned, flexible adhesives and sealants from DREI BOND can be used in a variety of ways, e.g. as a joint sealant outdoors and indoors or as a surface sealant in engines and gearboxes.



SILICONES are particularly characterized by their very high temperature resistance of up to 250 °C. In addition, they have both a high elongation at break and, in general, very good chemical resistance.



MS-POLYMERS have despite their very low hazard potential (white safety data sheet) via both very high tensile strength and elongation at break. In addition, they have good chemical resistance in general and are superior to other sealants, especially with regard to oil resistance.



SOLVENT-BASED SEALANTS are not only characterized by their very high elongation at break, but also by their generally high chemical resistance. Because of the relatively high proportion of non-polar solvents, they have an extraordinary tolerance to oily (non-polar) surface contamination.



FLEXIBLE ADHESIVES AND SEALANTS AT A GLANCE

Name	Description	Color	Viscosity [mPas]	Temperature Range [°C]	Skin Formation Time [min]	Tensile Strength [MPa]	Elongation at Break [%]	Special Features	Packaging [ml]
1209	silicone, neutral (oxime)	transparent	pasty	-55 to +200	10 – 15	4,1	300		30, 310
2280	silicone, acetate (acetic acid)	black	pasty	-40 to +250	10 – 20	>1,7	300 – 400	white MSDS	300
2282	silicone, neutral (oxime)	black	pasty	-40 to +250	5 – 10	>1,9	300 – 400	white MSDS	300
2284	silicone, neutral (alkoxy)	black or transparent	pasty	-40 to +180	8	>1,1	>350	white MSDS, MEKO-free	300
2287	silicone, neutral (oxime)	transparent	flowable	-40 to +180	10 – 20	>1,0	>200	white MSDS, self-leveling	300
9120	MS-Polymer	black, white or grey	pasty, easy to spread	-40 to +90	20	1,9	300	white MSDS	290, 25000
9150	MS-Polymer	transparent	pasty	-40 to +90	10	3,0	300		310
9160	MS-Polymer	black or grey	pasty, easy to spread	-40 to +120	10	3,2	400	white MSDS, excellent oil resistance	310, 25000
9165	MS-Polymer	black	pasty	-40 to +90	20	2,1	250	white MSDS, solvent-containing, slightly thixotropic	310

Name	Description	Color	Viscosity [mPas]	Temperature Range [°C]	Skin Formation Time [min]	Tensile Strength [MPa]	Elongation at Break [%]	Special Features	Packaging [ml]
1104	solvent-based sealant	grey	14000 – 24000	-50 to +130	8	2 – 4	450 – 650		300, 20000
1104T	solvent-based sealant	grey	40000 – 80000	-50 to +130	8	2 – 4	450 – 650	thixotropic	300, 20000
1104-1	solvent-based sealant	grey	23000 – 45000	-50 to +130	12	2 – 4	450 – 650	thixotropic	300, 20000
1108	permanently ductile sealant	blue	>1 Mio.	-55 to +120	-	-	-	white MSDS	50, 300, 25000

▷ **Note on hardening:** an average of 3 mm on the 1st day, longer thereafter. Depending on the substrate, temperature, humidity, gap

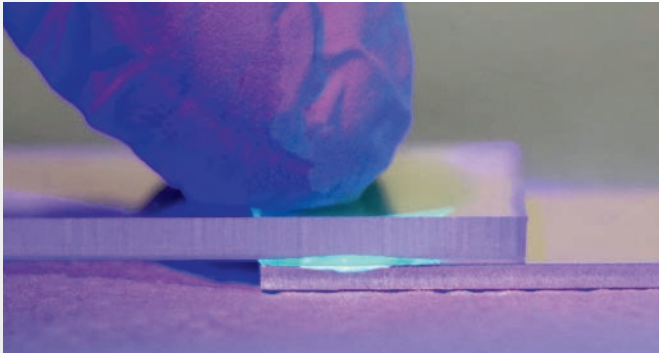
UV-CURING ADHESIVES



UV-CURING ADHESIVES

A special kind of adhesive that cures with UV light of a certain wavelength within a few seconds. This enables high cycle rates in production, simplified quality controls and lower process costs.

DREI BOND offers an extensive portfolio of UV-curing adhesives for applications in a wide variety of industries, where, among other things, the aim is to achieve transparent results. It is crucial for the use of these adhesives (with the exception of UV epoxies) that one of the materials to be bonded is permeable to the required wavelength in order to allow the adhesive to cure.



ACRYLATES achieve the highest levels of strength after hardening. In the DREI BOND product portfolio you will find UV acrylates with different viscosities so that they can be selected specifically for the needs of the application.

EPOXIDES What is special about UV epoxies is that, in addition to directly irradiated areas, the curing also extends into shadow areas. Despite the somewhat delayed curing, very high strengths are achieved after curing, comparable to the acrylates.

SILICONES If a flexible sealant is required for the application, which is to be cured quickly and in a targeted manner, the UV-curing silicones from DREI BOND can be used. No cleavage products are generated during curing, so there is no risk of material damage or blistering.

DUAL CURING ADHESIVES (UV / AE)

The dual-curing adhesives from DREI BOND are both UV and anaerobic curing. For this reason, metallic components can undergo anaerobic curing (metal contact and oxygen exclusion) in large shaded areas, while outer areas can be UV-cured.

UV-CURING ADHESIVES AT A GLANCE

Name	Description	Color	Viscosity [mPas]	Temperature Range [°C]	Special Features	Packaging [ml]
6020	UV-acrylate	colorless	2200 – 2900	-55 to +120		50, 250, 2000
6022	UV-acrylate	colorless	5500 – 7500	-55 to +120		50, 250, 2000
6023	UV-acrylate	colorless	50 – 100	-55 to +120		50, 250, 2000
6046	UV-acrylate	colorless	7000 or 36000	-40 to +130	flexibilized	30
6063	UV-acrylate	colorless	200 – 300	-55 to +120	specifically designed for PC, PVC, ABS	250, 2000
6065	UV-acrylate	colorless	Gel	-55 to +120	flexibilized	50, 300, 2000
6065L	UV-acrylate	colorless	150 – 200	-55 to +120	flexibilized	50, 2000
6099	UV-acrylate	colorless	gel	-55 to +120		50, 300, 2000
6080	UV-epoxy	colorless to whitish	300	-55 to +120	curing in shadow areas possible	50, 250, 1000
6090	UV-epoxy	colorless to whitish	4000	-55 to +120	curing in shadow areas possible	50, 250, 1000
6089	UV-silicone	colorless to whitish	pasty	-55 to +260	flexible silicone	30, 290
2054	dual cure (AE/UV)	blue	25000 – 50000	-55 to +150	dual curing (AE/UV)	50, 250
6060	dual cure (AE/UV)	colorless	1200 – 1700	-55 to +120	dual curing (AE/UV)	50, 250, 2000
6066-10	dual cure (AE/UV)	colorless	25 – 50	-55 to +150	dual curing (AE/UV)	50, 250

▷ **Note on UV wavelength:** We recommend UV light sources with 100mW /cm2 at 365 – 420 nm

STRUCTURAL ADHESIVES



STRUCTURAL ADHESIVES

The structural adhesives from DREI BOND are suitable especially for applications in which the power transmission of the adhesive connection is in the foreground. The strength of the connection allows high forces to be transmitted between the components and at the same time to absorb shock or vibration loads. The structural bonds often replace conventional mechanical connections and thus offer the possibility of reducing costs through lower material thicknesses or simplified production processes.

Due to the properties mentioned, structural adhesives from DREI BOND can be used in a variety of ways to connect high-strength components (including different materials), e.g. for box bodies, magnetic bonds or for bonding fiber composite materials.



1C-EPOXY 1C-epoxy resin adhesives have the advantage that they only cure when exposed to temperature. This enables optimized production steps and the simultaneous curing of several bonds. In the case of 1C epoxy adhesives, the resin and hardener are already reliably mixed with one another in an optimized ratio, which simplifies both manual and automated application of the adhesive.

2C-EPOXY With 2C epoxy resin adhesives, a hardener (mostly amines) is added to the epoxy resin during application via a static mixer, thus starting the curing process. The DREI BOND 2C products are always provided in easy-to-use double-chamber cartridges in which the mixing ratio is already correctly preset. After the pot life has expired, the strength of the mixed adhesive increases significantly, so that the components must be joined at this point at the latest.

2C-MMA 2C methyl methacrylate adhesives are used in particular when high strength levels combined with a certain deformability are required. This is especially the case when materials with a slightly increased flexibility or different temperature expansion coefficients are to be glued together and used in a wide temperature range. The processing of the 2C MMA is comparable to the 2C epoxy.

STRUCTURAL ADHESIVES AT A GLANCE

Name	Description	Color	Viscosity [Pas]	Temperature Range [°C]	Pot Life [min]	Fixture Time [min]*	Full Cure [h]	Special Features	Packaging [ml]
7568-1	1C epoxy resin	ivory	100 – 200	-40 to +180	-	-	25 min (135 °C)		300, 20000
7601	1C epoxy resin	black	1 – 3	-40 to +180	-	-	40 min (120 °C)	self-leveling	300
7608	1C epoxy resin	black	250 – 500	-40 to +180	-	-	75 min (130 °C)		300, 20000
8121	2C epoxy resin (mod.)	grey	thixotropic paste	-40 to +120	10 – 15	50 – 90	75	flexibilized	50, 400
8429	2C epoxy resin	black	50 – 80	-40 to +120	150 – 200	360 – 540	72		50, 400
8544	2C epoxy resin	transparent	12 – 24	-40 to +80	10 – 20	40 – 60**	24		50
8142	2C epoxy resin	transparent	12 – 30	-40 to +80	3 – 8	20 – 30**	24		25, 50, 400
8451	2C epoxy resin	off-white	5 – 25	-40 to +200	150	480**	168	high temperature stable	50, 400
8552	2C epoxy resin	off-white	100 – 150	-40 to +120	10	60**	48		50, 400
8600	2C methyl methacrylate	cream	20 – 75	-40 to +120	8	18	24		50, 400
8602	2C methyl methacrylate	amber	1 – 7	-40 to +120	2	8	24		50, 400
8604	2C methyl methacrylate	transparent	40 – 60	-40 to +120	1	8	24		50, 400
8610	2C methyl methacrylate	off-white	20 – 70	-40 to +120	20	35	24		50, 400
8620	2C methyl methacrylate	black	6 – 11	-40 to +120	2 – 4	10 – 15	24		50, 400
8662	2C methacrylate esters	amber	3 – 6	-40 to +120	4 – 7	10 – 12	24 – 48	low odor	50, 400
8680	2C methyl methacrylate	white	25 – 35	-40 to +120	8	15	24	white	50, 400
4261	2C methacrylate esters	transparent	15 – 30	-40 to +80	5 – 8	12 – 15	36 – 48	polyolefin bonders: suitable for PE, PP, HDPE etc.	50, 400

* corresponds to 0,1 N/mm2 shear strength
** functional cure strength = 60 % of full cure strength

SURFACE PREPARATION / PRE-TREATMENT



SURFACE PREPARATION / PRE-TREATMENT

CLEANER For every application in which an adhesive is used, clean, grease-free and dry surfaces of the parts to be joined are a necessary prerequisite for achieving a sufficiently high level of adhesion (surface adhesion). DREI BOND cleaning products are highly effective in removing grease, oil and dirt from metallic and non-metallic surfaces. The DREI BOND Super Cleaner can be used to support the removal of hardened adhesive and sealant residues.

ACTIVATORS In particular with anaerobic adhesives in connection with passive surfaces, activators can ensure fast and guaranteed curing of the adhesive. These are applied directly to the passive surface and accelerate the hardening of the subsequently applied adhesive. The activator can be applied using a spray bottle or as a liquid and can be carried out many hours before the adhesive is applied.

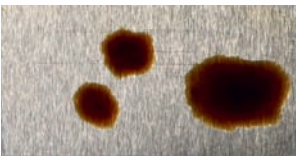
PRIMER For substrates that are difficult to bond (e.g. PP, PE, etc.), adhesive and material-specific primers can be applied to the component before the adhesive is applied. Primers act as an adapter between the component material and the adhesive. They thus enable good adhesion between component and adhesive and consequently stable bonding.



BEFORE



AFTER



Examples of soiling that adversely affects the adhesive bond.

PRODUCTS AT A GLANCE

Name	Description	Color	Solvent-Containing	Exposure-/Flash-Off Time [s]	Activation Effect [h]	Accelerated Curing [s]	Packaging [ml]
Cleaner 3200	all-purpose cleaner	colorless	yes	-	-	-	400 (spray can)
Super Cleaner	special cleaning agent	milky	yes	300 – 600	-	-	400 (spray can)
Active Cleaner	whater-based cleaner	colorless	yes	-	-	-	200 (spray can)
4007	primer for cyanoacrylates	colorless	yes	5 – 10	1	-	1000
4015	primer for MS polymers	colorless	yes	10	24	-	1000
4011	activator for anaerobic adhesives	green	yes	5 – 10	24	20 – 120	200 (spray can)
5900	activator for anaerobic adhesives	green	no	-	24	30 – 180	20, 50, 500
5930	activator for anaerobic adhesives	colorless	no	-	24	240 – 420	50

WHITE LINE



WHAT IS WHITE LINE?

Can sealants and adhesives be “green”? So based on renewable raw materials or easily biodegradable? This is a trending topic worldwide that doesn’t reflect reality when it comes to sealants and adhesives. DREI BOND rejects sham packaging as a matter of principle and opaque marketing, but the need for reliable, high-quality adhesives and sealants with lower health and environmental risks spurred the developers at DREI BOND.

DREI BOND is therefore expanding its product range with the new WHITE LINE. The new line includes almost all types of adhesives, sealants and associated cleaners. Although these are not “green” in the sense of biodegradable, they are “white” and therefore free from any hazard classifications. In this way, the adhesives and sealants of the WHITE LINE can make an important contribution to improved occupational safety and simplified use.

- White safety data sheet
- No dangerous goods transport
- Low health and environmental risks
- Increased usability

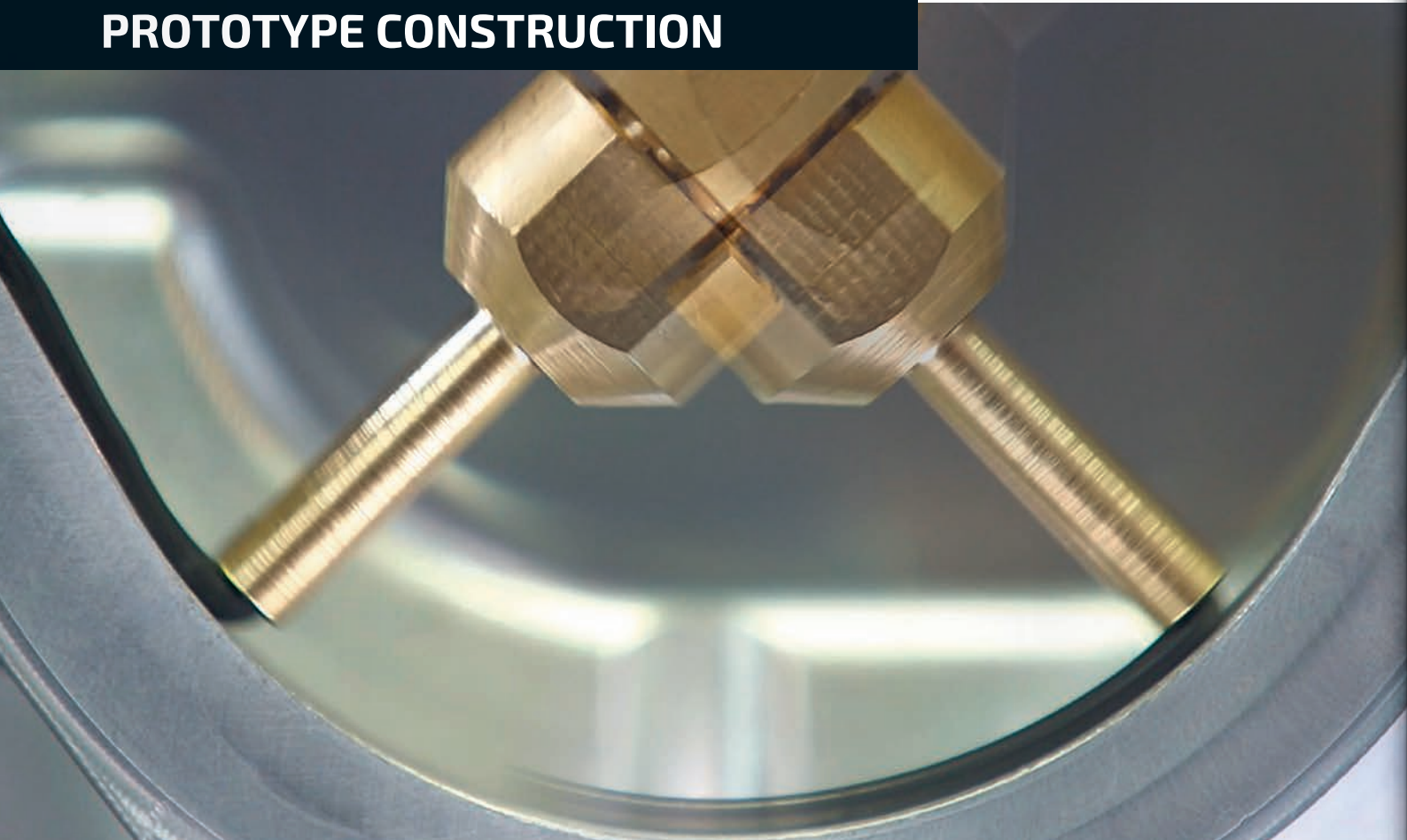


THE WHITE LINE AT A GLANCE

Name	Description	Color	Viscosity [mPas]	Temperature range [°C]	Special Features	Certificates	Packaging [g]
▶ ANAEROBIC ADHESIVES							
5204HV	flange sealant	yellow	75000 – 350000	-55 to +150	white MSDS		50, 100, 300
5204	thread sealant	yellow	20000 – 80000	-55 to +150	white MSDS	DVGW, NSF, WRAS	50, 250, 300
1344	thread sealant	blue	450 – 600	-55 to +150	white MSDS		50, 250
1360	thread sealant	red	800 – 1200	-55 to +150	white MSDS		50, 250
5314	threadlocker	blue	1700 – 9000	-55 to +200	white MSDS	DVGW	50, 250, 2000
5330	threadlocker	green	2200 – 4000	-55 to +200	white MSDS	DVGW	50, 250, 2000
▶ CYANOACRYLATES (INSTANT ADHESIVES)							
4065	ethyl cyanoacrylate	colorless	3 – 10	-50 to +120	non-blooming, for coating of 3D-printed parts		20, 50, 500
4061	ethyl cyanoacrylate	colorless	10 – 20	-50 to +80	non-blooming		20, 50, 500
4067	ethyl cyanoacrylate	colorless	1000 – 1500	-50 to +80	non-blooming		20, 50, 500
▶ FLEXIBLE ADHESIVES AND SEALANTS (SILICONE AND MS POLYMER-BASED PRODUCTS)							
2280	silicone, acetate (acetic acid)	black	pasty	-40 to +250	white MSDS		300
2282	silicone, neutral (oxime)	black	pasty	-40 to +250	white MSDS		300
2284	silicone, neutral (alkoxy)	black, transparent	pasty	-40 to +180	white MSDS, MEKO free		300
2287	silicone, neutral (oxime)	transparent	flowable	-40 to +180	white MSDS, self-leveling		300
9120	MS-Polymer	black / white / gray	pasty, easy to spread	-40 to +90	white MSDS		290, 25000
9160	MS-Polymer	black / gray	pasty, easy to spread	-40 to +120	white MSDS, excellent oil resistance		310, 25000
9165	MS-Polymer	black	pasty	-40 to +90	white MSDS, solvent-containing, slightly thixotropic		310
1108	permanently ductile sealant	blau	>1 Million	-55 to +120	white MSDS		50, 300, 25000
▶ CLEANER							
Active Cleaner	water-based Cleaner	colorless	-	-	white MSDS		500

You can find detailed information on the products in the relevant section. Pay attention to – white SDS –


SERVICES / PROTOTYPE CONSTRUCTION




SERVICES AT DREI BOND


How do we as DREI BOND contribute?

We employ a large number of specialists from the fields of chemistry, application technology and process technology. We are constantly training ourselves in order to constantly bring new knowledge into the company. In addition, we operate a very well-equipped technical center in which we can offer our customers everything from adhesive tests / aging tests to the automated bonding of prototypes and small series. We call this DREI BOND value-added adhesive!


- 


Development of adhesives
Engineering, validation and testing, development and modification




Adhesive component design
Together with you, we develop the perfect geometry for the adhesive in connection with the application
- 

Automated or manual adhesive application
CNC controlled application of your adhesive on your component



Adhesive and application training
Individually or in cooperation with the IFAM Institute, we hold adhesive training courses for adhesive practitioners
- 


Bonding of prototypes and pre-series
Our technical center enables us to simulate the application in your pre-series close to the process




Gluing + processing know-how
With over 40 years in the adhesive and dispensing area, we have the necessary expertise to support your application in a future-proof manner


SMALL SERIES / PROTOTYPE CONSTRUCTION AT DREI BOND

We create the possibility for you to implement prototypes and pre-series without investing in a complex machine park in an application-oriented and process-reliable manner. Contact us for an individual offer to manufacture your prototypes and small series in a realistic and process-reliable manner.


- 


Surface pretreatment



Storage
- 


Adhesive / sealant application (manual / CNC-controlled)




Aging study including evaluation
- 

Joining of the components

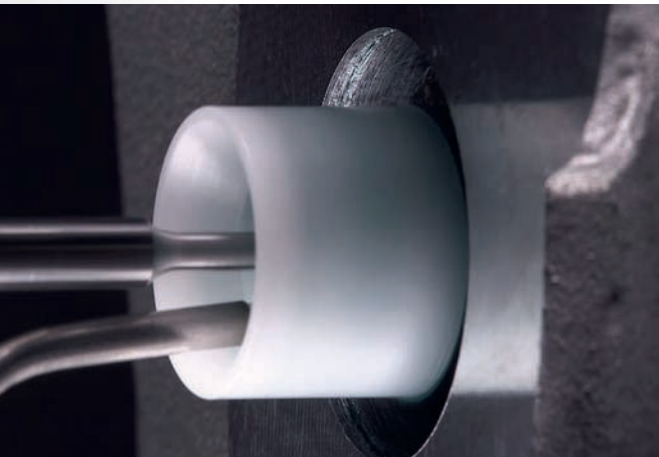
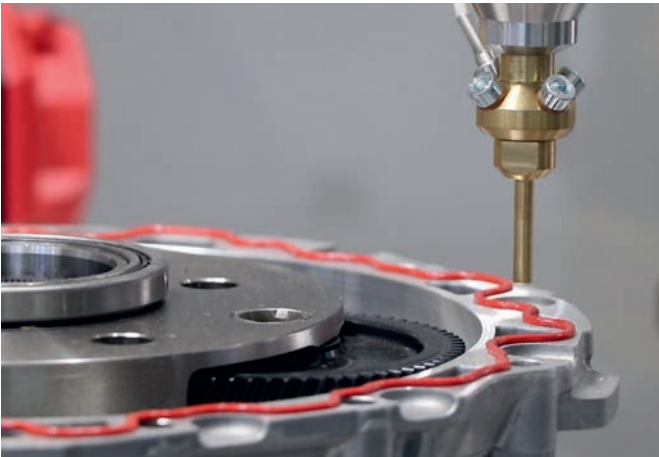


Quality monitoring
- 

Hardening fixation



Training



DOSING SYSTEMS



DOSING SYSTEMS AT DREI BOND

As a supplier to the automotive industry for decades, the dosing solutions from DREI BOND meet the highest requirements in terms of process reliability, functionality and connectivity. Our customers have solutions for greasing, oiling as well as the bead application of adhesives and sealants. Filling for oil or other media, intelligent process monitoring and quality control, as well as the automation of the feeding and removal of workpieces complete the portfolio. The unique combination as a manufacturer of adhesives and sealants, as well as special machines for dispensing applications, ensures the perfect solution for our customers' applications.

Nowadays, adhesive and sealing connections are used in more and more areas of our everyday life. In motors, gears, batteries or electronics, these areas can no longer be imagined without adhesives. This goes hand in hand with the need for flexible, high-performance dosing solutions. DREI BOND provides a wide range of innovative and tailor-made products.



CNC-Compact with cartridge holder as rework station for coating gear parts.

DOSING SYSTEMS AT A GLANCE

From compact manual systems, dosing components for integration in production plants to fully automatic inline stations, there is suitable economical equipment for every requirement. Even special systems with additional process steps such as surface pretreatment, press-in functions and much more, are realizable.



DOSING MACHINES

With our complete systems, solutions are available for the diverse dosing projects of our customers. These range from fully automatic inline stations and semi-automatic production cells with manual loading and unloading to small, purely manual dosing solutions.



COMPONENTS

The requirements of the most diverse media to be dosed are taken into account through a large number of different components. This enables permanently process-reliable dosing.



SPECIAL SYSTEMS

Customer and process-related special solutions represent an interesting challenge for us. Here, together with our customers, special solutions tailored to their needs are developed and implemented.



DOSING SYSTEMS

With the dispensing systems available, we are the ideal partner for integrating dispensing issues into large overarching automation projects such as entire engine, transmission or battery production lines. The focus here is on the end customer's specifications and smooth communication between the systems and the higher-level lines.

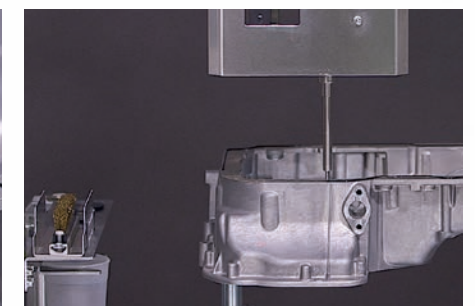
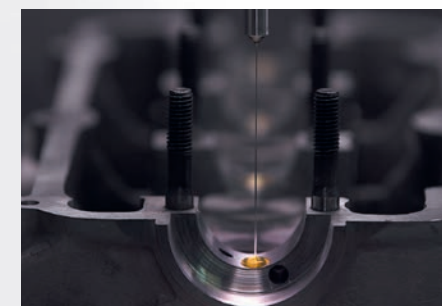


CONTROL AND PROCESS MONITORING

We offer control and process monitoring based on Siemens and / or B&R hardware. Thanks to our in-house software department, developments can be implemented quickly and in a targeted manner. In doing so, customer requirements as well as specifications are implemented on a project-specific basis.



Over 40 years
experience
with dosing solutions
for a reliable
production
process





ADHESIVES | DOSING SYSTEMS | SERVICES

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Important instructions:

All of the above information represents our empirical values and are not to be included in specifications. Please check yourself beforehand the use of our products, whether they are suitable for the intended use, also with regard to possible application-relevant influences. Please observe all safety and occupational safety regulations when using the device. All questions of warranty and liability for our products are governed by the provisions of the sales contract, unless statutory provisions provide otherwise.

Subject to technical changes and misprints.

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