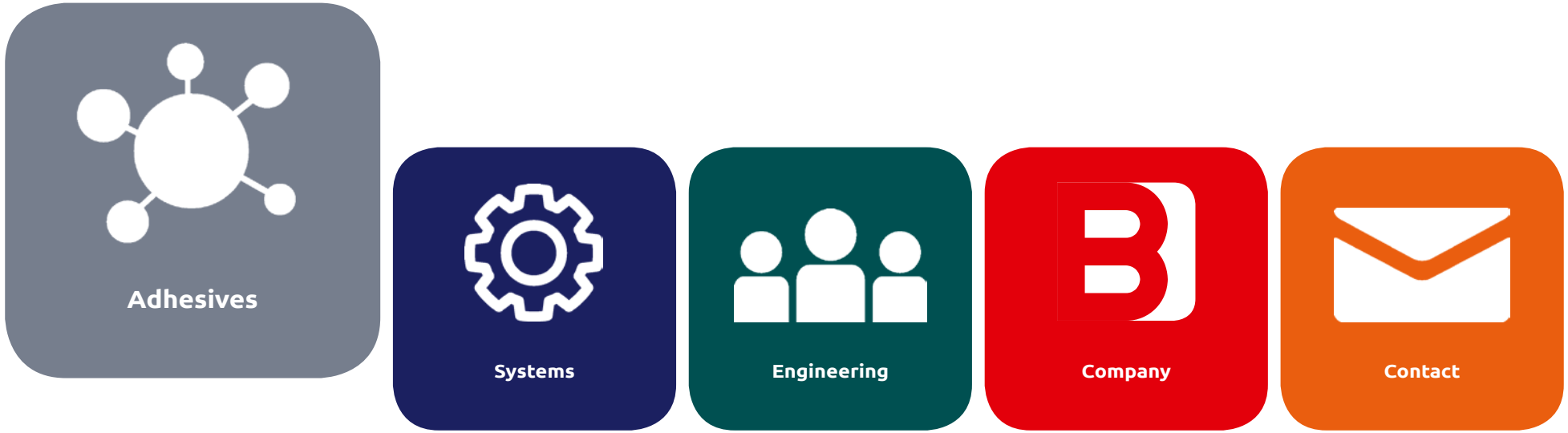
DREI BOND®

ADHESIVES · ENGINEERING · SYSTEMS



Adhesive Solutions

Anaerobic Adhesives

Drei Bond

Drei Bond has a comprehensive portfolio of highly effective adhesives and sealing materials for more than 35 years. In addition to that, the company is a well-known system supplier in this sector for the automotive industry, engineering and other branches.
The range reaches from classic anaerobic adhesives to UV adhesives and high performance silicones.

Drei Bond lays the focus on …

… a broad portfolio of adhesives and sealing materials
… a tight collaboration between the both departments “dispensing technology” and “adhesives and sealing materials”
… the motivation and competence to modify products in accordance with customers
… the motivation and competence to develop products completely new
… the production of small volumes for small projects
… the speed of reaction and flexibility of a family-operated and medium-sized enterprise.
… the worldwide closeness to customers because of own branches and specialists.

Anaerobic Adhesives

Drei Bond’s anaerobic adhesives harden with metal contact and under exclusion of oxygen. The polymerization (hardening) begins with the contact of a metallic surface. The suitable adhesive depends on the surface conditions of the units.

For the linking of a metallic and a non-metallic area, it would be recommended to use a Drei Bond activator. Based on this basis structure, anaerobic adhesives from Drei Bond are also very useful for saving of nuts and bolts and for a permanent and close bond of metal envelope.

Drei Bond’s anaerobic sealants and adhesive

Drei Bond	Color	Viscosity [mPa.s/25°C]	Maximum gap [mm]	Handling curing time [min]	Functional curing time [h]	Final curing time [h]	Temperature range [°C]	Shear strength [N/mm²] (gem. ISO 10123)	Break loose torque acc. to ISO 10964 [Nm]	Durability							Application					Approval		Propoperties				
										gas	liquid gas	water	oil	corrosion	vibration	hydrocarbon	thread sealant	thread security	core hole plug	bolt security	flange sealant	KTW certified	DVGW certified	thixotropy	low strength	medium strength	high strength	fluorescent
1110	white	25000 – 96000	0,50	15 – 30	3 – 6	6 – 24	-55 – +150	5 – 10	18 – 24	•	•	•	•	•	•	•					•			NT				•
1303	green	120 – 180	M12 – 0,10	5 – 10	1 – 3	3 – 24	-55 – +150	17 – 22	24 – 35	•	•	•	•	•	•	•			•	•							•	
1305	green	300 – 800	M20 – 0,15	10 – 20	1 – 3	5 – 24	-55 – +200	15 – 20	25 – 35	•	•	•	•	•	•	•			•	•							•	•
1342	blue	600 – 800	M20/ 3/4“ – 0,15	15 – 30	1 – 3	5 – 24	-55 – +150	3 – 5	5 – 8			•	•	•	•	•	•								•			•
1344	blue	450 – 600	M20/ 3/4“ – 0,15	10 – 20	1 – 3	3 – 24	-55 – +150	8 – 12	12 – 18	•	•	•	•	•	•	•	•									•		•
1360	brown	430 – 630	M20/ 3/4“ – 0,15	10 – 20	1 – 3	3 – 24	-55 – +150	8 – 12	12 – 18	•	•	•	•	•	•	•	•									•		•
1385	green	400 – 600	M20/ 3/4“ – 0,15	1 – 18	1 – 3	2 – 24	-55 – +175	25 – 30	25 – 35	•	•	•	•	•	•	•	•	•	•	•							•	•
1385 NT	green	3000 – 4000	M36 / 1,5“ – 0,20	1 – 18	1 – 3	2 – 24	-55 – +175	25 – 30	30 – 40	•	•	•	•	•	•	•	•	•	•	•				NT			•	•
1388	green	6000 – 12000	2“ – 0,30	15 – 30	3 – 6	6 – 24	-55 – +150	15 – 25	40 – 50	•	•	•	•	•	•	•	•	•	•	•				HT			•	•
5204	yellow	20000 – 80000	M56 / 2“ – 0,30	15 – 30	1 – 2	3 – 24	-55 – +150	6 – 13	18 – 24	•	•	•	•	•	•	•	•	•						NT		•		•
5205	red	1200 – 1800	M20/ 3/4“ – 0,15	10 – 20	1 – 3	3 – 24	-55 – +150	8 – 12	12 – 18	•	•	•	•	•	•	•	•	•								•		•
5300	green	3 – 8	M5 – 0,70	10 – 20	1 – 3	3 – 24	-55 – +150	8 – 12	10 – 25	•	•	•	•	•	•	•	•	•								•	•	•
5314	blue	1700 – 9000	M36 – 0,25	10 – 20	1 – 3	3 – 24	-55 – +200	9 – 13	18 – 23	•	•	•	•	•	•	•	•	•						NT		•	•	•
5330	green	3000 – 8000	M56 / 2“ – 0,30	10 – 40	6 – 12	24 – 36	-55 – +200	15 – 25	25 – 35	•	•	•	•	•	•	•	•	•				•	•				•	•
5454 NT	green	3000 – 4000	M36 / 1,5“ – 0,20	1 – 18	1 – 3	2 – 24	-55 – +175	25 – 30	30 – 40	•	•	•	•	•	•	•	•	•	•	•				NT			•	•
5454S	green	20000 – 50000	2“ – 0,30	15 – 30	3 – 6	6 – 24	-55 – +150	4 – 8 (ISO4587)	10 – 20	•	•	•	•	•	•	•	•	•	•	•							•	•
5510	white	17000 – 70000	2“ – 0,30	20 – 40	1 – 3	5 – 24	-55 – +150	4 – 6	6 – 11	•	•	•	•	•	•	•	•	•		•	•			NT	•			•
5520	white	25000 – 42000	M56 / 2“ – 0,30	20 – 40	3 – 6	24	-55 – +150	15 – 25	35 – 50	•	•	•	•	•	•	•	•	•		•	•			HT			•	
5537	green	3000 – 4000	1,5“ – 0,25	15 – 30	1 – 3	12 – 24	-55 – +150	10 – 14	15 – 32	•	•	•	•	•	•	•	•	•								•		•

* For low energy surfaces we recommend Drei Bond activator!

Drei Bond’s Activator

Drei Bond	Color	Base	Viscosity [mPa.s/25°C]	handling curing time [min/sec]	Activator for adhesive system	suitable substrates	unsuitable substrates
5900	green	solvent free	5 – 10	20 – 120 sec	anaerobic grades	PP/PE/TPE/PTFE/ EPDM/ceramic/ metal	ABS/PS/ PC/PMAA
5930	color-less	solvent free	5 – 10	4 – 7 min	anaerobic grades	PP/PE/TPE/PTFE/ EPDM/ceramic/ metal	ABS/PS/ PC/PMAA

Drei Bond’s Cleaner

Drei Bond	Propoperties
Cleaner	Drei Bond Cleaner is an highly effetive agent for cleaning metal and non metal surfaces of fat, oil and some other dust. Drei Bond cleaner evaporate very quick. Drei Bond cleaner are mainly used for preparation of adherend and sealing flanges.
Cleaner 3200	Drei Bond Cleaner 3200 (free of dioxolan) is an highly effetive agent for cleaning metal and non metal surfaces of fat, oil and some other dust. Drei Bond cleaner evaporate very quick. Drei Bond cleaner are mainly used for preparation of adherend and sealing flanges.

DREI BOND®

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