



# Adhesive Solutions

1K + 2K Epoxy 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.

## 1K + 2K Epoxy Adhesives

Drei Bond’s Epoxy Adhesives are used if stability is required like in the automotive and aviation sector. The structural bonding often replaces traditional and mechanical conjunctions like screwing or welding. These products offer an opportunity to reduce costs due to less material thicknesses and due to simplified manufacturing processes. Drei Bond’s epoxy adhesives enable highly stressable conjunctions of different material combinations.

The hardening of the 2K Epoxy Adhesive normally takes place on room temperature. Because of an increased temperature during the hardening, a higher thickness will be achieved.

In the 1K Epoxy Adhesive, gum and hardener are already mixed in an industry-reliable and optimal proportion. Above all, this simplifies the manual use. Some heat is necessary for hardening.

## Drei Bond’s Epoxy Adhesives

Drei Bond	Color	Base	Viscosity [mPa.s/25°C]	Maximum gap [mm]	Functional curing time [min]	Final curing time [min]	Temperature range [°C]	Shear strength [N/mm <sup>2</sup> ]	Shore hardness (Shore A)	gluability of substrates								Properties			
										metal	ferrit	ceramic	CFK	several plastics	glas	marble	concrete	1K	2K	high strength	
7130	white	epoxy	15000 – 25000	0,5	–	30 – 60 min. at 130°C > 3 min. at induction	-40 – +180	> 18 (ASTM D-1002)	80	•	•			•					•		•
7568-1	white	epoxy	80000 – 200000	1,0 – 2,0	–	20 – 30 min. at 130°C > 3 min. at induction	-40 – +180	20 – 28 (ISO 4587)	84	•	•			•					•		•
8544	colorless	epoxy + amin	10 – 24	0,1 – 2,0	40 – 60	24 h	-40 – +80	5 – 9 (ISO 4587)	–	•	•	•	•	•	•	•	•			•	•
8142	colorless	epoxy + amin	12 – 30	0,1 – 2,0	20 – 30	24 h	-40 – +80	12 – 14 (ISO 4587)	–	•	•	•	•	•	•	•	•			•	•
8320	black	epoxy	200000 – 1000000	–	6 – 8 h	24 h at RT; 2,5 h at 66°C; 5 min. at 93°C; 15 min. at 121°C	-40 – +204	–	–	•	•		•							•	•

## Drei Bond’s Cleaner

Drei Bond	Properties
Cleaner	Drei Bond Cleaner is an highly effective 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 effective 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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