

Overview of 1C and 2C epoxy



Drei Bond	Colour	Viscosity [mPa.s/25°C]	max. thread diameter / gap filling [mm]	Functional cure time [min] or [sec]	Full cure time [h]	Temperature range [°C]	Shear strength [N/mm ²]	Shore hardness	Application properties
7130-2	Ivory	15000 - 25000	0.5 mm		30-60 min at 130°C 10-35 min at 150°C < 3 min with induction	-40 to +180°C	> 18 (ASTM D-1002)	75 - 85 (D)	Construction adhesive for metal and plastic connections, particularly suitable for magnetic and ferrite bonding with a low gap width. Excellent adhesion to metal surfaces, ferrite, ceramics and composite materials. Replaces soldering or welding. Resistant up to a continuous temperature of 180°C and can be used in a variety of applications such as bonding parts with thin walls. The product can particularly be used with hybrid and electric vehicles. Excellent mechanical properties in the cured state.
7568-1	Ivory	80000 - 200000	1.0 mm		20-30 min at 130°C 10-30 min at 150°C < 3 min with induction	-40 to +180°C	20 - 28 (ISO 4587)	84 (D)	Construction adhesive for metal and plastic connections, particularly suitable for magnetic and ferrite bonding with a low gap width. Higher viscosity, low thixotropy. Excellent adhesion to metal surfaces, ferrite, ceramics and composite materials. Replaces soldering or welding. Resistant up to a continuous temperature of 180°C and can be used in a variety of applications such as bonding parts with thin walls. The product can particularly be used with hybrid and electric vehicles. Excellent mechanical properties in the cured state. Typical curing temperature of 120°/150°C.
8544	Colourless	10 - 24	0.1 - 2.0 mm	40 - 60 min		-40 to +80°C	5 - 9 (ISO 4587)		2C colourless construction adhesive for bonding metals, ferrite, ceramics, glass, marble, wood, concrete and some plastics (polyester, ABS, rigid PVC, etc.). Not suitable for soft materials, PE, PP and PTFE. Good chemical resistance to water, petrol and oils. On metal surfaces the material forms a flexible film with very good adhesion and peel strength. Pot life is approx. 10-20 min.
8142	Colourless	12 - 30	0.1 - 2.0 mm	20 - 30 min		-40 to +80°C	12 - 14 (ISO 4587)		2C colourless construction adhesive for bonding metals, ferrite, ceramics, glass, marble, wood, concrete and some plastics (polyester, ABS, rigid PVC, etc.). Not suitable for soft materials, rubber, PE, PP and PTFE. Good chemical resistance to water, petrol and oils. Quick initial curing, peel strength lower than 8544. Pot life is approx. 3-8 min.