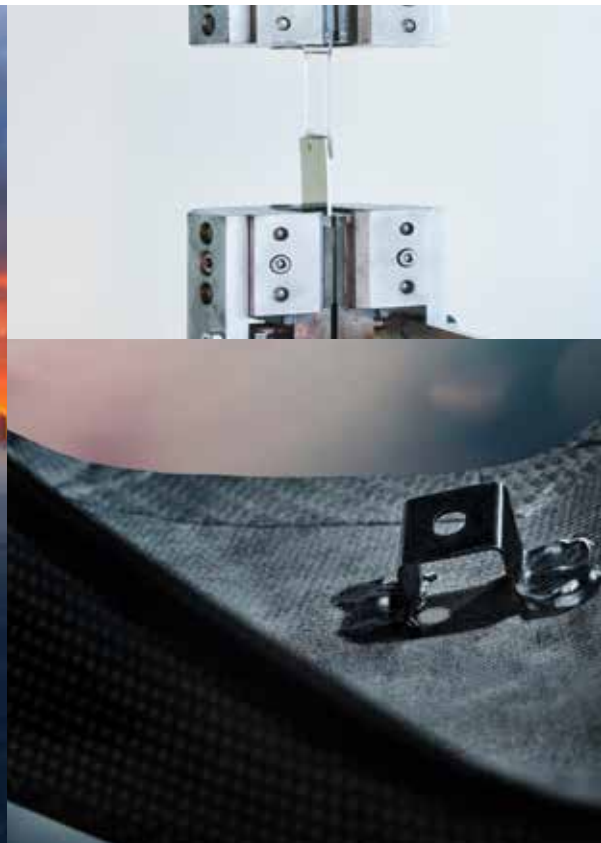


**BONDING +
SEALING +
ENCAPSULATION**

Kisling



7440

High-temperature epoxy adhesive for a wide range of applications

Impact and high temperature-resistant - This 2K epoxy resin adhesive is a master in the structural bonding of composites and metals. Black 7440 delivers particularly optimal results on composites such as CFRP and GFRP materials, and has excellent thermal capabilities. Even at +120°C, the adhesive still has a high bond strength of >10 N/mm².

Thanks to its high rigidity and impact resistance, ergo 7440 is the ideal and reliable adhesive for challenging structural bonding applications.

Applications

Lightweight construction & composite bonding: Auto body bonding, stiffening for CFRP and GFRP parts, repair of composite parts | Structural bonding in high-temperature applications.

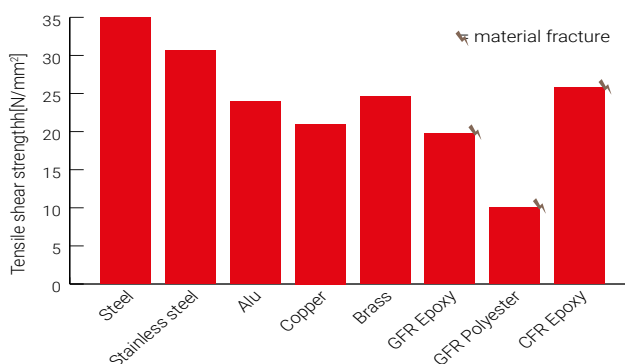
7440

- + Excellent adhesion to metal and composites
- + High strength, impact resistance even at high temperatures
- + Excellent long-term temperature resistance
- + Very high media resistance



Specifications	
Product category	Epoxy based structural adhesives
Color	black (after cure)
Density [g/cm³]	1.2 (Mix)
Mixing ratio	2:1 (V:V)
Viscosity [mPas]	pasty, thixotropic (Mix)
Pot life [min]	40 – 60
Fixture time [h]	~3
Final strength [h]	48 – 72
Tensile strength [N/mm²]	~33
Tensile shear strength [N/mm²] Alu-Alu	~24
Tensile shear strength [N/mm²] Steel-Steel	~35
Elongation at break [%]	~4.6
Temperature range [°C]	-60 – +180
Registrations & Certificates	DIN EN 45545-2 chart 5, R1, R7 and R17 with HL1-3
Container size (Bulk containers on request)	50 ml 200 ml 400 ml

Tensile shear strength



Temperature curve

