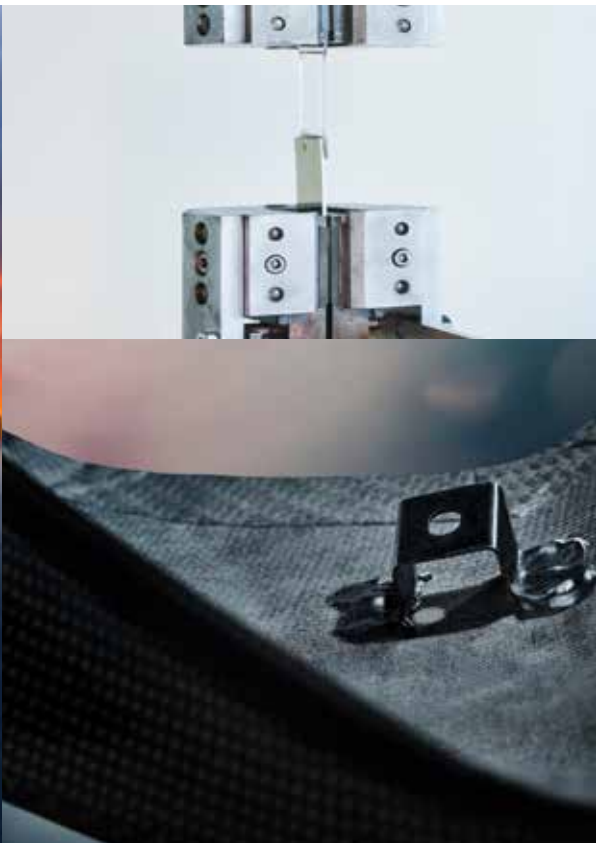


**BONDING +  
SEALING +  
ENCAPSULATION**

**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/mm<sup>2</sup>.

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

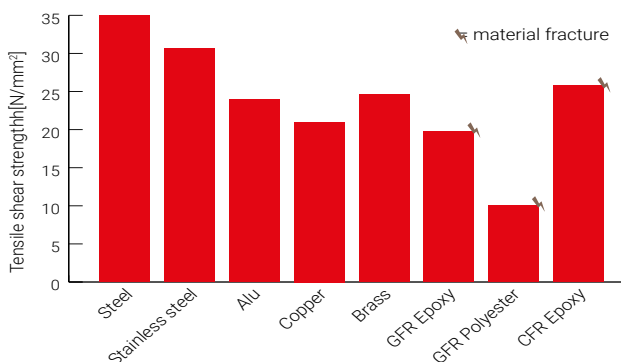
- + Excellent adhesion to metal and composites
- + High strength, impact resistance even at high temperatures
- + Excellent long-term temperature resistance
- + Very high media resistance



## Specifications

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

## Tensile shear strength



## Temperature curve

