

**BONDING +  
SEALING +  
ENCAPSULATION**

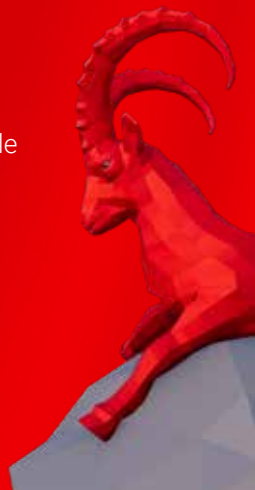
**Kisling**



# 7490

**Specially developed for large components and extreme loads: Epoxy structural adhesive with high strength and a wide temperature range.**

7490 is a black, toughened, pasty epoxy resin for application with composite or metal parts. The resin provides excellent strength build up with a long pot life, very good heat resistance as well as remarkable mechanical properties covering a broad temperature spectrum.



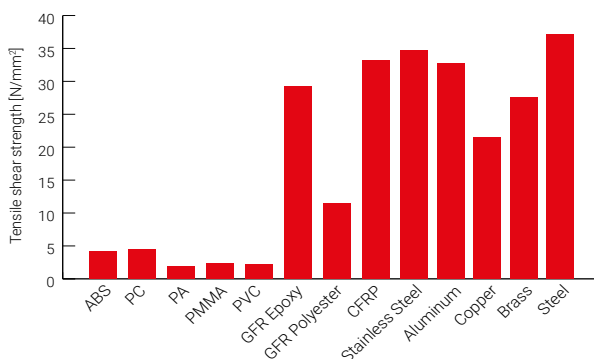
# 7490

- + Excellent bonding on metals and composites
- + High strength and impact resistant
- + Excellent thermal range
- + Long open time
- + Offers very good chemical protection



Specifications	
<b>Product category</b>	Epoxy based structural adhesives
<b>Colour</b>	black (after cure)
<b>Mixing ratio</b>	2:1 (V:V)
<b>Viscosity [mPas]</b>	pasty, thixotropic (Mix)
<b>Pot life [min]</b>	~120
<b>Fixture time [h]</b>	~8.5
<b>Final strength [h]</b>	~120
<b>Tensile strength [N/mm<sup>2</sup>]</b>	~34
<b>Tensile shear strength [N/mm<sup>2</sup>]</b> <b>Alu-Alu</b>	~33
<b>Tensile shear strength [N/mm<sup>2</sup>]</b> <b>Steel-Steel</b>	~37
<b>Elongation at break [%]</b>	6 – 7
<b>Temperature range [°C]</b>	-40 – +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   490 ml

**Tensile shear strength**



**Temperature curve**

