



Kisling AG

**Motorenstrasse 102
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TECHNICAL INFORMATION ergo.[®] 7430

consists out of resin ergo.[®] 7428 and hardener ergo.[®] 7429

Base: two-component-epoxy-resin

Curing : at room temperature.
accelerating possible by temperature increase

Application: Universal, high strength product with excellent adhesion to metals.
May be used also for other materials like glass, ceramic and hard plastics.

Use : Both components must be mixed in advance. The best mixture ratio is 1:1
Using the double-cartridge system with static mixture tube is very easy and avoids failures. The surfaces must be clean, which means, dry and free of dust and grease. For this reason it is recommended to use either the ergo.[®] Cleaner 9190 (for metal) or the ergo.[®] Cleaner 9195 (for plastics)

Mixture ratio	resin : hardener, by weight resin : hardener, by volume	100 : 94,4 1 : 1
Colour	resin, hardener, mixture	white, black, grey
Viscosity	of the mixed product	pasty
Density	of the mixed product at 23°C	1,3 g/cm ³
Thermal range		-60°C bis +100°C shortly up to +140°C
Potlife	10,3 g resin + 9,7g hardener at 23°C	40 – 50 minutes
Glass transition point	Curing: 16 hours at 40°C	56 °C
Shore D - hardness	Curing: 16 hours at 40°C	70 – 75
Fixture time	(> 1 N/mm ²) at 23°C	4 hours
Functional strength	(> 10 N/mm ²) at 23°C	8 hours
Final strength	at 23°C	3 – 4 days



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Tensile shear strength acc. to EN 1465, metals sandblasted

Curing: 16 hours at 40°C, tested at 23°C

Steel

~ 30 N/mm²

Stainless steel

~ 26 N/mm²

Aluminium

~ 23 N/mm²

Copper

~ 21 N/mm²

Brass

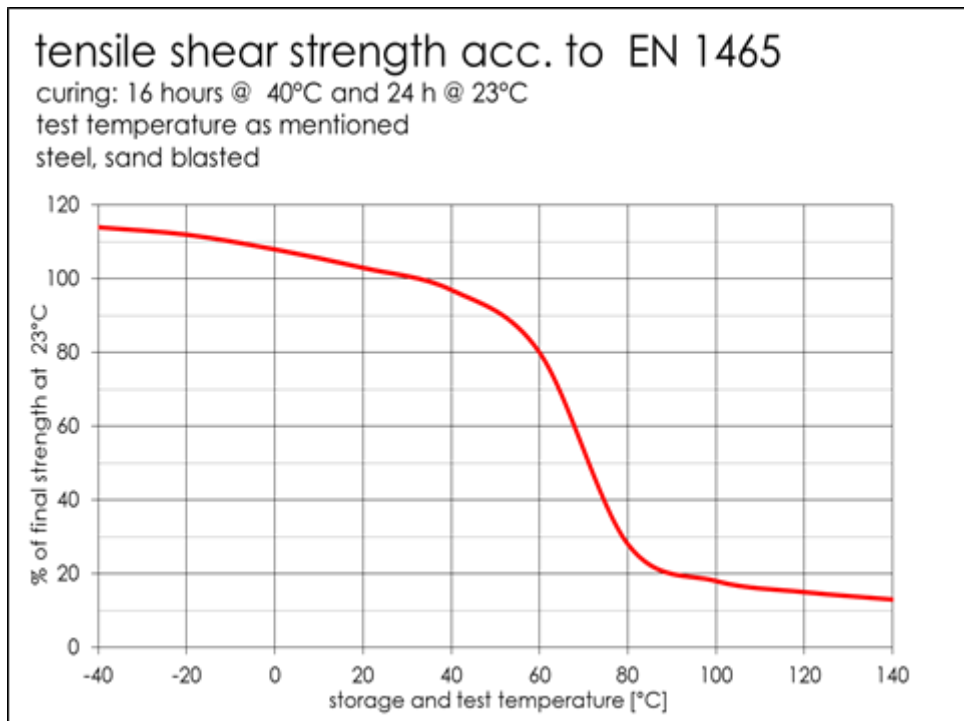
~ 24 N/mm²

GFRP, Polyester

> 7 N/mm² glass fibre failure

GFRP, Epoxy

> 12 N/mm²



Storage stability between +2°C and +40°C

2 years

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that KISLING products are safe, effective, and fully satisfactory for the intended end use. KISLING sole warranty is that the product will meet the KISLING sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. KISLING specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless KISLING provides you with a specific, duly signed endorsement of fitness for use, KISLING disclaims liability for any incidental or consequential damages. Suggestions of uses should not be taken as inducements to infringe any particular patent.