



Kisling AG

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TECHNICAL INFORMATION ergo® 7410 **(consists out of resin ergo® 7408 and hardener ergo® 7409)**

Base: two-component-epoxy-resin
Curing: at room temperature
Accelerating possible by temperature increase
Application: High strength and fast curing product with good adhesion to metals, ceramic, glass, rubber, hard plastics and a wide range of other common materials.
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, weight 100 : 94,9
Mixture ratio resin : hardener, volume 1 : 1
Colour resin, hardener **clear, slightly yellow**

Viscosity after 1:1 mixture
acc. to Brookfield, at 23°C 8.000 - 11.000 mPas

Density
of the mixed product at 23°C 1,1 g/cm³
Thermal range -60°C bis +100°C
Glass transition temperature curing: 48 hours at 23°C 36°C

Potlife
2,5g resin and 2,4g hardener at 23°C 3,5 minutes
Fixture time (> 0,1 N/mm²) at 23°C ~ 5 minutes

Functional time (> 10 N/mm²)
at 23°C ~ 60 minutes
at 40°C ~ 35 minutes
at 60°C ~ 10 minutes
at 100°C ~ 2 minutes

Fianal strength at 23°C 48 hours

Tensile shear strength acc. to DIN EN 1465
surfaces sand blasted, Curing: 16 hours at 40°C, test temperature 23°C

Steel	> 21 N/mm ²
Stainless steel	> 17 N/mm ²
Aluminium	> 13 N/mm ²
Copper	> 15 N/mm ²
Brass	> 15 N/mm ²
GFR, Epoxy	> 14 N/mm ²
Polyamide 6	~ 4 N/mm ²
ABS	~ 4 N/mm ²
PMMA	~ 3 N/mm ²
PVC	~ 4 N/mm ²
Polycarbonate	~ 4 N/mm ²



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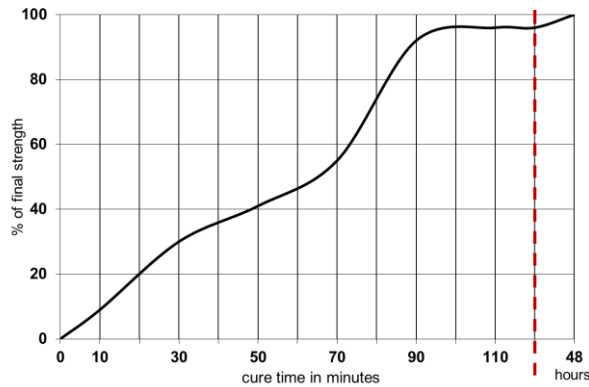
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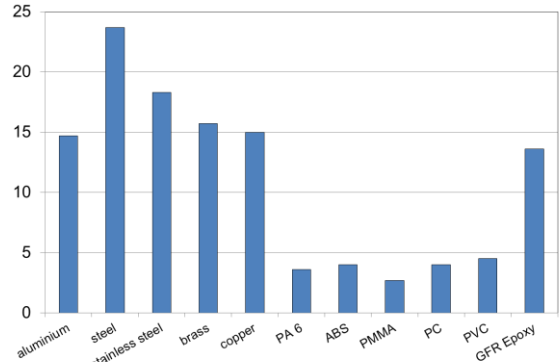
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- 2 -

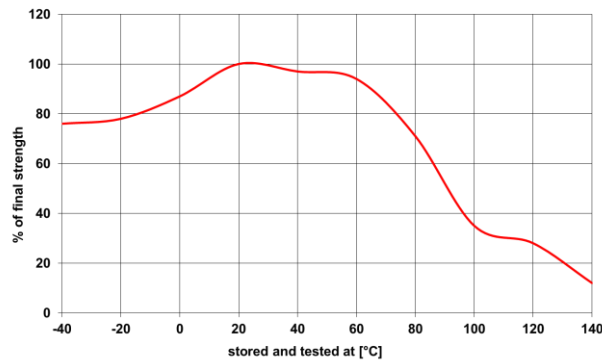
Curing process at 23°C



tensile shear strength acc. to EN 1465 cured 16h at 40°C, measured at 23°C



tensile shear strength acc. to EN 1465 dependant on ambient temperature



Storage stability at +2°C up to +30°C

3 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.

7410e/LK/03.10.2014