



**Kisling AG**

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## TECHNICAL INFORMATION ergo® 7214

**Base:** two-component-epoxy-resin

**Curing:** at room temperature  
Accelerating possible by temperature increase

**Application:** Toughened pasty product with excellent initial adhesion and very good temperature resistance up to +140°C  
Recommended for GFR-applications as well as for metal or electronic parts

**Use:** Both components must be mixed in advance. The best mixture ratio is 2:1  
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 A:B, weight 100 : 50  
Mixture ratio A:B, volume 2 : 1

Colour A, B beige, grey

Viscosity after 1:1 mixture  
Acc. to Brookfield, at 23°C Pasty, thixotropic

Density  
of the mixed product at 23°C 1,6 g/cm<sup>3</sup>

Thermal range -40°C bis +140°C  
Glass transition temperature curing: 16 hours at 40°C 85°C

Potlife  
66g A and 33g B at 23°C ~ 40 min

Fixture time (> 1 N/mm<sup>2</sup>)  
at 23°C 3,5 h

Functional time (> 10 N/mm<sup>2</sup>)  
at 23°C 6 h  
at 40°C 105 min  
at 60°C 30 min  
at 100°C 6 min

Final strength at 23°C 48 – 72 h



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Tensile strength @23°C acc. to ISO 527 ~ 26 N/mm<sup>2</sup>

Tensile shear strength acc. to DIN EN 1465  
Aluminium (sandblasted) after 72 h at 23RT ~ 19 N/mm<sup>2</sup>  
Curing: 16 hours at 40°C, test temperature 23°C

Floating roller peel resistance acc. to ISO 4578 3 N/mm  
Curing: 16 hours at 40°C, test temperature 23°C

modulus of elasticity [Mpa] 4000 Mpa  
Curing: 16 hours at 40°C, test temperature 23°C

Shear modulus acc. to DIN 53445  
Curing: 16 hours at 40°C, test temperature 23°C

100°C	180 MPa
125°C	20 MPa

Elongation @ break 0,7%

Storage stability at 2 – 40°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.