



Kisling AG

**Motorenstrasse 102
CH-8620 Wetzikon**

Telefon +41 (0)58 272 01 01
Telefax +41 (0)58 272 01 03

info@kisling.com
www.kisling.com

TECHNICAL INFORMATION ergo® 7215

Base: two-component-epoxy-resin

Curing: at room temperature
Accelerating possible by temperature increase

Application: Pasty product with high strength properties and good elasticity.
Can be used even for films up to 10mm thickness
Especially recommended for SMC- and GFR-applications

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 A:B, weight 100 : 100
Mixture ratio A:B, volume 1 : 1

Colour A, B Beige

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

Density
of the mixed product at 23°C 1,4 g/cm³

Thermal range -60°C bis +100°C
Glass transition temperature curing: 16 hours at 40°C 67°C

Potlife
50g A and 50g B at 23°C 30 – 40 min

Fixture time (> 1 N/mm²)
at 23°C 4 h

Functional time (> 10 N/mm²)
at 23°C 6 h
at 40°C 2 h
at 60°C 35 min
at 100°C 7 min

Final strength at 23°C 48 – 72 h



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Tensile strength @23°C acc. to ISO 527

~ 30 N/mm²

Tensile shear strength acc. to DIN EN 1465

Aluminium (sandblasted) after 72 h at 23RT

Curing: 16 hours at 40°C, test temperature 23°C

~ 17 N/mm²

Floating roller peel resistance acc. to ISO 4578

Curing: 16 hours at 40°C, test temperature 23°C

4 N/mm

modulus of elasticity [Mpa]

Curing: 16 hours at 40°C, test temperature 23°C

1970 Mpa

Shear modulus acc. to DIN 53445

Curing: 16 hours at 40°C, test temperature 23°C

0°C	1000 MPa
25°C	900 MPa
50°C	800 MPa
75°C	300 MPa
100°C	2 MPa

Fatigue strength (40Hz at 23°C)

load cycles until failure

20% of max. static load

> 10⁷

25% of max. static load

> 10⁷

30% of max. static load

3 x 10⁶

Curing: 20 minutes at 100°C

Storage stability at 2 – 40°C

3 years

WARRANTY INFORMATION - PLEASE READ CAREFULLY

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