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)

Mixure ratio resin : hardener, by weight 100 : 94.9
resin : hardener, by volume 1 : 1

Colour resin, hardener clear, slightly yellow

Viscosity of the mixed product acc. to Brookfield, at 23°C 8.000 – 11.000 mPa•s

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

Thermal range -60°C bis +100°C

Potlife 2.5g resin + 2.4g hardener at 23°C ~ 3.5 minutes

Glass transition point Curing: 16 hours at 40°C 52 ºC

Shore D - hardness Curing: 16 hours at 40°C ~ 75

Fixture time (> 1 N/mm²) at 23°C ~ 7 minutes

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

Final strength 48 hours
Tensile shear strength acc. to EN 1465, metals sandblasted
Curing: 16 hours at 40°C, tested at 23°C
- Steel > 20 N/mm²
- Stainless steel > 17 N/mm²
- Aluminium > 13 N/mm²
- Copper > 15 N/mm²
- Brass > 15 N/mm²
- GFRP, Epoxy ~ 14 N/mm²
- Polyamide 6 ~ 4 N/mm²
- ABS ~ 4 N/mm²
- PMMA ~ 3 N/mm²
- PVC ~ 4 N/mm²
- Polycarbonate ~ 4 N/mm²

Tensile strength acc. to DIN 15870, steel, sandblasted
Curing: 16 hours at 40°C, tested at 23°C
0 mm gap ~ 40 N/mm²
0.1 mm gap ~ 30 N/mm²

Storage stability between +2°C and +30°C: 3 years

WARRANTY INFORMATION - PLEASE READ CAREFULLY
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