



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 DATA SHEET ergo.® 4100

Thread Locker, high strength

Description

High strength thread locker which fastens stud bolts with excellent resistance against chemicals and temperature influence. Difficult to disassemble bonded parts, even with tools. Certified acc. to **ANSI/NSF Standard 61** for use in commercial and residential potable water systems not exceeding 82° C. **NSF P1** listed for use in food processing areas.

Note: This is a regional approval. Please contact us for more information and clarification.

Physical Properties (liquid product)

Chemical Base: Diester of Methacrylic Acid

Colour: red / fluorescent

Viscosity at 25°C, Brookfield RVT

4000 – 7000 mPas spindle 3, 2,5 rpm
1200 – 1800 mPas spindle 3, 20 rpm

Density: 1.11 g/cm³ at 25°C

Max. thread diameter: M 36

Max. gap filling: 0.25 mm

Flash point: > 100°C

Shelf life: 1 year at room temperature

Physical Properties (cured product)

Measured on M10 x 20 bolt - grade 8.8 black phosphatized - nut 0.8d (no on-torque)

Initial strength after: 10 - 20 minutes

Functional strength after: 2 - 4 hours

Final strength after: 3 - 6 hours

Loose-break torque: > 20 Nm (M10) DIN 54454

Prevailing torque: > 35 Nm (M10)

Shear strength: > 20 N/mm² DIN 54452

Thermal range: - 55°C up to +150°C

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.