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## TECHNICAL DATA SHEET ergo.® 4453

Retaining compound, temperature resistant

### Description

Fast curing , heat resistant product, which retains cylindrical joints with excellent resistance against temperature and acids, alkalines and water. Approved acc. to EN 751-1 (**DVGW**) and to **NSF ANSI 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 **Complies with the guide formulation of the German Federal Environment Agency, published 2016, February 11<sup>th</sup>, for use in contact with drinking water.**

**According to DVGW TRGI 2008, in Germany not allowed for use in household gas-installations**

**Attention:** If used as sealant against water, please observe and follow the special handling

### Physical Properties (liquid product)

<b>Chemical Base:</b>	Diester of Methacrylic Acid
<b>Colour:</b>	green/ fluorescent
<b>Viscosity</b> acc. to Brookfield RVT at 25°C: Spindle 2, 20 rpm	450 – 650 mPas
<b>Density at 25°C:</b>	1.10 g/cm <sup>3</sup>
<b>Max. thread diameter:</b>	M 20
<b>Max. gap filling:</b>	0.15 mm
<b>Flash point:</b>	> 100°C
<b>Shelf life:</b>	1 year at ≤ 25°C

### Physical Properties (cured product)

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

**Initial strength after:** 2 – 6 minutes

**Functional strength after:** 0,5 – 1 hour

**Final strength after:** 2 – 4 hours

**Loose-break torque:** > 25 Nm DIN 54454

**Prevailing torque:** > 40 Nm DIN 54454

**Shear strength:** > 27 N/mm<sup>2</sup> DIN 54452

**Thermal range:** - 55°C up to +175°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.