

Instruction for use of anaerobic ergo.® - pipe sealants

Field of application

The ergo.® anaerobic sealants are suitable to fasten and to seal safely metallic threaded parts against common liquids and gases. For detailed information, ask for our table of chemical resistance.

Dependent on the type and diameter of the thread, the sealant may resist up to burst-pressure. Figures are available in our ergo.® - brochure and technical data sheets. Some ergo.® - grades are approved according to DIN EN 751-1 (DVGW)

Usage

Especially if tightness is required, it is a must –as it is with common sealants (hemp, PTFE-ribbon, ...), too - to work very careful, in order to get a uniform polymer-film, which is free of tension-cracks.

Carefully pay attention to following points:

1. The threads have to be dry and free of dust and grease. It is recommended to use the Cleaner ergo.® 9190 in advance. Other solvents might be possible after they have been tested for this certain use. All used solvents shall be given time for evaporating before applying the glue.
2. If beside tightness also strength is required, it is necessary to choose a sealant, which is as strong as necessary. For this choice use the ergo.® - brochure which is showing the obtainable torque-values.
3. Apply as much glue as it is necessary to cover the whole thread.
It is recommended to moisten the complete outside thread and to apply a rope of glue on the first thread of the inner part.
4. The parts shall be joined as soon as possible and be tightened with a certain on – torque (> 5 Nm).
5. As soon as curing has started, do not move the parts any more.

This avoids irreversible fine fissures, which can cause leakage. If final strength is obtained, the parts may be used for their final purpose.
The time, until the product reaches its final strength, is given either in the leaflet or in the technical data sheet.

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If used in contact with potable water, please follow the additional instructions, given by the German Industrieverband Klebstoffe e.V. (IVK e.V):

- Apply the sealant sparingly; use only as much as really needed.
- Avoid any excess or remove it.
- In order to avoid excess in the inner part, leave at least one, or if possible even two, thread of the male thread free of sealant.
- Let the adhesive cure for at least 24 hours.
- Before first real commissioning, rinse the system with water.

Attention:

Because of the high accelerating property of copper and its alloy, it might happen, that curing starts already while the joining-process is still running. This can cause micro-cracks, which might lead to leakage later on. Due to this and in order to make the process safe, we seriously recommend tests in advance, if copper-containing parts (pure copper or its alloy) are used in long-term contact with hot (> 40°C) water. The end-user is responsible to clarify the suitability for his certain application and process.

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.