

Plastic Thread Sealant

Functionality

One part separable sealing compound for sealing plastic / plastic threaded unions or mixed metal / plastic unions:

For use on tapered and straight unions, on plastics such as PVC, PVCC, PP, ABS, and PE, and on all metals.

Suitable for use on circuits carrying treated swimming pool water, water intended for human consumption, hot and cold water, garden hose water, central heating water and compressed air.

Applicable without hemp. Odorless. Non-dripping.



Labels & Approvals

Water intended for human consumption according to the WRAS approval (United Kingdom), in compliance with the BS 6920 standard.

Technical characteristics

Specifications	Characteristics
Nature	Alcoy silicone (alcohol / neutral), curing with the humidity in the air
Appearance	Viscous white paste, non-flowing and odourless
Acceptable thread play	0.8 mm on diameter
Pressure / temperature resistance	Up to 8 bars and +60°C Once cured the product is resists low temperatures and high climatic temperatures. For heating applications, the pressure and temperature resistance is 4 bars and 90°C
Chemical resistance	- Hot and cold sanitary water - Water intended for human consumption / drinking water - Central heating water - Swimming pool water treated with chlorine, salt, ozone, etc. - Garden hose water - Glycol water
Repositioning*	Up to 10 minutes
Return to service*	Up to 3 bars: 30 min. Up to 8 bars: After 24 hours For applications at less than +10°C, extend the time before returning to service.
Separation	Easy dismantling without damaging threads

* temperature 23°C, relative humidity 50%

Preparation

- Threads may be ISO 7 quality (tapered male part) or ISO 228 (straight male part).
- Degrease with solvent (e.g. alcohol) and dry the parts to be assembled.

Method

- Spread the product on the whole circumference of the first 4 threads of the male and female parts.
- Smooth it with your finger and force the product into the threads.
- Handle tighten. Only the last 1/4 turn should be completed with a strap pipe wrench or pin spanner. Make sure that at least 4 threads are engaged.
- Smooth the surplus product.
- As drying results in the formation of a skin on the surface of the product after 10 minutes, the above operations must be carried out within this time.
- Allow to cure without manipulation of the unions. Pressure can be restored up to 3 bar after waiting for approx.30 min. bars, and after 24 hours between 3 and 8 bars (temperature > +10°C).
- Close the tube securely after use.

Consumption

100 g of the product suffices to seal approximately forty 1" threads.

Material cleaning

Material should be cleaned with solvent (acetone, alcohol or white spirit).

Storage

Store at a temperature between +2°C and +30°C.

The expiry date on the packaging is for unopened product, store at 20°C in normal hygrometry conditions.

Comments

As the product does not allow unions to be repositioned after 10 minutes it cannot be used for preproduction assembly. As the product does not lock unions, special care should be taken to tighten valves mechanically to eliminate the risk of them unscrewing during repeated opening and closing.

The information contained on the technical datasheet is provided in all good faith and results from measurements made in our laboratory. Given the number of materials, differences in quality and diversity of working methods, we recommend that users perform tests prior to application under actual conditions of use. This document may be amended in keeping with product development and the state of our knowledge without prior notice and therefore it is recommended to check that you have the latest version before use. The safety data sheet is available online at www.fermit.com

