

## GEBETANCHE EAU POTABLE RT1

### FUNCTIONALITY

**Anaerobic sealing resin with PTFE for sealing conical and cylindrical metal threaded connectors.**

- Suitable for drinking water, hot and cold sanitary water, steam and compressed air.
- Use alone, without tow or sealing thread.
- This formula can be removable with appropriate tools up to 1".

### Labels and Accreditation

**Contact with drinking water: complies with French positive lists in force.**

### Technical characteristics

| Characteristics                                 | Specifications   |
|---|--|
| Appearance                                      | Liquid gel   |
| Color   | White / Cream  |
| Density (NF T 30-020)                           | 1.13   |
| Maximum admissible clearance at the diameter    | 0.25 mm  |
| Maximum diameter of connectors                  | 2"<br>Tested on galvanized 4"  |
| Type of connector                               | Must be made of metal<br>Plastic materials are forbidden   |
| Removable                                       | Removable up to 1"   |
| Temperature resistance                          | Up to + 150°C continuously   |
| Pressure resistance                             | Maximum tested pressure: 40 bars   |
| Minimum application temperature                 | From +5°C  |
| Time open on bolts APZn M10 at room temperature | 8 minutes  |
| Full polymerisation time on M10 :               |  |
| Steel   | 1 hour   |
| Brass   | 1 hour   |
| Stainless steel                                 | 3 hours  |
| Return to pressure at 20°C                      |  |
| 1" (steel)                                      | 5 bars = 10 min ; 30 bars = 30 min   |
| 2" (steel)                                      | 5 bars = 20 min ; 30 bars = 1h30   |
| 4" (galvanized)                                 | 20 bars = 2 h  |
| Release torque                                  | For APZn M10 : > 20 N.m (1h), > 25 N.m (24h)<br>For Brass M10 : > 5 N.m (1h), > 5 N.m (24h)<br>For Stainless steel M10 : > 5 N.m (1h), > 5 N.m (24h) |

## Use

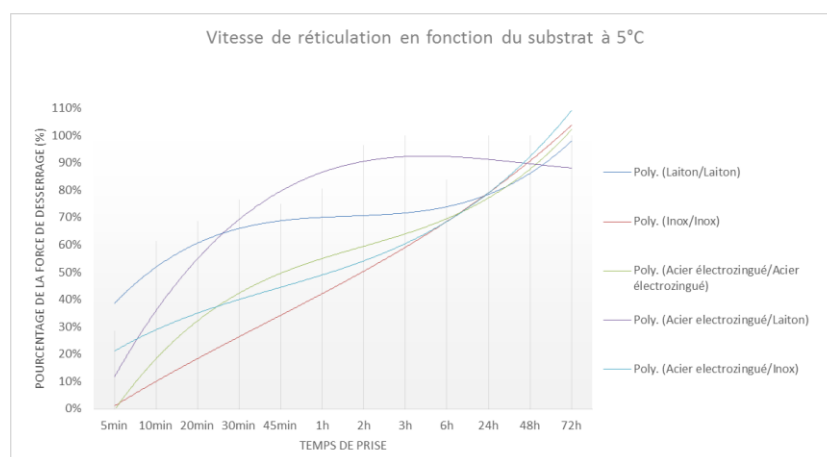
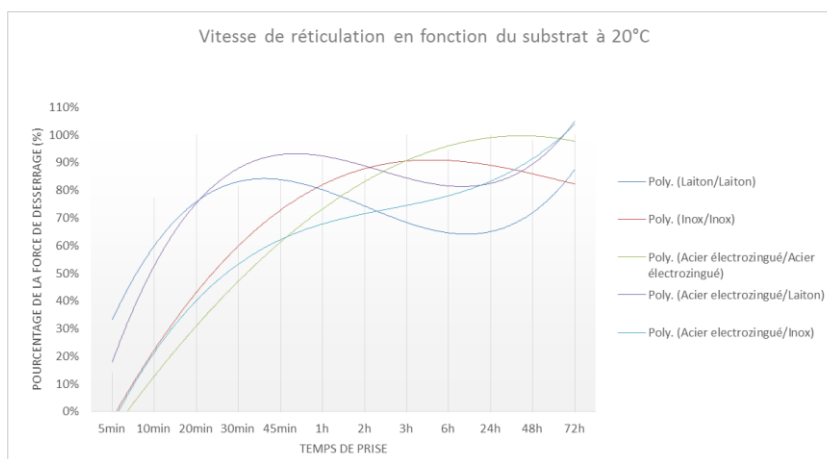
### Preparation

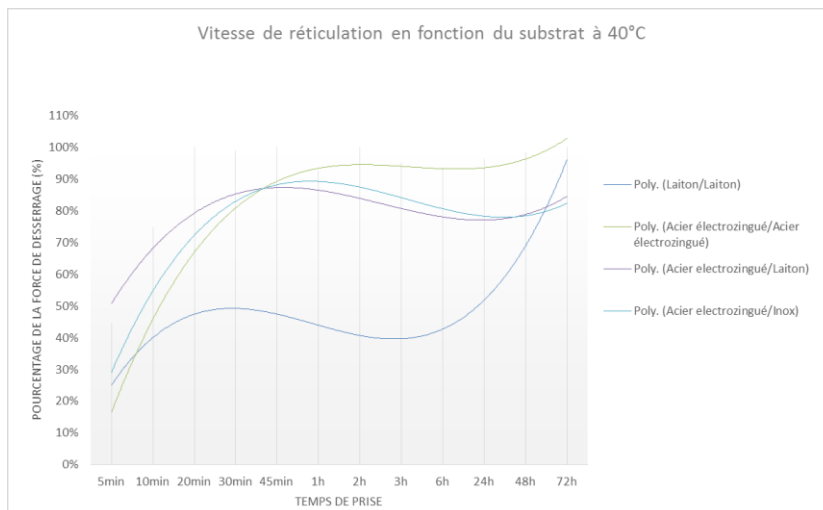
- If necessary brush the connectors to remove any particles that may be stuck.
- Degrease with acetone, ethyl acetate or alcohol solvent (do not use white spirit type solvents), then let dry.

### Instructions for use

- Apply the product to the first 4 threads on the male part, smoothing the product to prevent air bubbles. The whole circumference of the joint must be coated.
- Screw on the female part.
- Tighten with a wrench. Make sure that at least 4 threads are engaged.
- Wipe off any excess product.
- Leave to polymerise for the necessary time (the times depend on the temperature, the clearance, the nature of the metal fittings and the diameters).
- Setting time depending on the substrates and the temperatures (time scale for information only, the times depend on the temperature, the clearance, the nature of the metal fittings and the diameters):

| Setting time    | Room temperature | 5°C        | 40°C        |
|-----------------|------------------|------------|-------------|
| Brass           | 5 minutes        | 5 minutes  | < 5 minutes |
| Steel/Cast iron | 8 minutes        | 10 minutes | 5 minutes   |
| Stainless steel | 18 minutes       | 40 minutes | 10 minutes  |





### Consumption

One 75mL bottle makes it possible to apply up to 100 1-inch fittings.  
 One 50mL tube makes it possible to apply up to 65 1-inch fittings.  
 One 20mL tube makes it possible to apply up to 25 1-inch fittings.

### Material cleaning

- Before polymerisation, the product can be cleaned with solvent.
- The polymerised product can only be removed by mechanical action (grinding).

### Safety precautions






The Material Safety Data Sheet is available on the Internet on [www.quickfds.com](http://www.quickfds.com) or on <http://www.geb.fr/fiches.php>

### Tip

Successful waterproofing is based on good preparation of the substrates.

### Storage

Store at a temperature between +5 °C and +25 °C.  
 The expiry date on packaging is for unopened product stored at 20°C in normal hygrometry conditions.  
 Air in the bottle helps product conservation.

| Products                |                       | Gebétanche Eau Potable RT1  | Gebétanche Chauffage  | Gebétanche 82   | Gebétanche Gaz  | Gebétanche Hydrocarbures  |
|-------------------------|-----------------------|---|---|---|---|---|
|                         |                       |  |  |  |  |  |
| Fluids                  | Drinking water        | ✓   | -   | -   | -   | -   |
|                         | Steam                 | ✓   | ✓   | ✓   | -   | -   |
|                         | Compressed air        | ✓   | ✓   | ✓   | ✓   | -   |
|                         | Gaz                   | -   | ✓<br>except in France   | -   | ✓   | -   |
|                         | Oils and hydrocarbons | -   | ✓   | ✓   | -   | ✓   |
| <b>Removable</b>        |                       | Up to 1"  | No  | No  | No  | No  |
| Continuous use<br>T°C   | Yellow metal & water  | 150°C   | 110°C   | 110°C   | -   | -   |
|                         | Other metals & water  | 150°C   | 110°C   | 110°C   | -   | -   |
|                         | Other fluids          | -   | 110°C   | 110°C   | 110°C   | 150°C   |
| <i>Repressurisation</i> |                       | 10 min until 5 bars   | 15 min until 4 bars   | 15 min until 4 bars   | 15 min until 4 bars   | 15 min until 4 bars   |

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 on <http://www.geb.fr/fiches.php> that you have the latest version before use.