

PVC-GLUE PRO (THF-free, CMR free)

Functionality

Liquid Glue for assembling PVC-C (C-PVC) pipe components, flexible PVC, rigid PVC (UPVC), ABS and white PVC.

- Assembly of PVC and C-PVC pipes and connectors intended for carrying hot or cold drinking water (water for human consumption) under pressure
- Adhesive for the assembly of C-PVC pipes and fittings : pressure, outlet, high temperature
- Resist to most chemicals, compatible with glued substrates
- Adhesives for pressureless thermoplastic pipes in installations for the transport, evacuation and water storage
- Suitable for irrigation network



Labels and Accreditation

CE marking: DoP No 21048204-1

ACS - drinking water compatibility: EUROFINS 16 CLP NY 032 certificate

Does not contain THF (tetrahydrofuran), neither CMR components

Technical Characteristics

| Specifications | Characteristics | | | |
|-----------------------------|--|-------------------------|---|----------------------|
| Appearance | Gel | | | |
| Color | Green | | | |
| Medium viscosity at 20°C | 9500 mPa.s | | | |
| Temperature resistance | 95 °C continuous / 110 °C at peak | | | |
| Solid content | 24+/-2% | | | |
| Shear strength at 20°C | ☑ 0.4 MPa after 1h ☑ 1.5 MPa after 24h ☑ 10.0 MPa after 24 days (EN 14814) | | | |
| Pressure resistance | On PVC and C-PVC : resistance to 48 bars at 20°C 1000h at 80°C resistance at 8.0 bars (EN 14814) | | | |
| Drying time to be respected | Observance of the hardening and drying times is essential to guarantee gluing of pipes. | | | |
| | | Repair: Ø ≤ 110 mm | Assembly: Ø < 250* mm Repair: 110 mm < Ø < 250* mm | |
| | DO NOT HANDLE: 10 min | WATER UNDER PRESSURE | DRAIN SYSTEMS | WATER UNDER PRESSURE |
| | | Essential: 1h | Essential: 1h | Essential: 24h |
| | For circuits intended to carry water for human consumption, rinse the installation for at least 30 minutes before putting into use. * For diameters higher than 110 mm, refer to the particular case in the instructions for use. | | | |

Technical data sheet



Erstellt am: 03/01/2020

Version: 1

Application

Assemblies using the glue adhesive should be performed in the following conditions:

(Extracts from DTU 60-31, -32, -33 CH 3.21). Application temperature must be between +5°C and +35°C

Preparation

- Check that the end of the male tube or union is chamfered. If the tube is cut on site use a file or some other process to make a new chamfer with the same profile.
- To ensure that the male end goes fully home in the socket, measure the depth of the socket and mark it with a soft pencil or felt marker on the male end of the tube or union.
- In order to remove the surface film from the components, abrade by rotating fine abrasive paper on the parts to be assembled (male end and socket). Use of a file, rasp or saw blade is strictly forbidden for this operation.

Instructions of use

- Clean the two parts to be assembled with a clean cloth soaked in pool fermit Universal Cleaner. Take care not to wipe off the depth marking during this operation.
- Apply generously the glue with the brush-cap on the male part and female part, finishing with lengthwise movements.
- As the adhesive dries quite quickly fit the two parts together fully immediately, by pushing lengthwise without twisting as far as the mark made initially.
- A minimum drying time (10 min) must always be allowed before handling the assembly to prevent any relative movement between the parts.
- To avoid excessive evaporation of volatile solvents, take care to close the containers holding the adhesive and the cleaner between operations.
- In case of hot & cold water sanitary installation, and before the commissioning, rinse the system for at least 30 min.

Consumption

Number of possible connections per 100 ml:

| ∅ DN in mm | 32 | 40 | 50 | 63 | 80 | 90 | 100 | 110 | 120 | 140 |
|------------|----|----|----|----|-----|----|-----|-----|-----|-----|
| Number | 45 | 22 | 18 | 9 | 5,5 | 5 | 4,5 | 3,5 | 3 | 2 |

Cleaning the equipment

With "pool fermit PVC-Universal Cleaner". This product should never be used to dilute the glue.

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Tip

Vigorous shaking makes the product liquid.

Storage

Store at a temperature of between +5°C and +35°C.

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

Comments

Application must be carried out in a place protected from the rain. In addition, it is essential to make sure that splashes (rain or other) do not enter the can, as this would destroy the adhesive remaining in the can. Similarly, it is essential to make sure that the parts for assembly, and the brush, are not wet before the adhesive is applied.

Safety Precautions

The Material Safety Data Sheet is available on the Internet on www.fermit.com

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
