



PVC GEL ES/PT/IT

FAST, THIXOTROPIC, THF-FREE RIGID PVC CEMENT



PRODUCT DESCRIPTION

Fast, thixotropic, THF-free rigid PVC cement.

FIELD OF APPLICATION

For joining pipes, sockets and fittings with interference fit and loose fit (gap filling) in pressure and drainage systems. With special pipe brush for quick and easy application. Suitable for diameters ≤ 250 mm. Max. 16 bar (PN 16). Maximal tolerances: 0.6 mm diametrical clearance / 0.2 mm press fit. Suitable for e.g. pipe systems conforming to EN1329, 1452, 1453 and 1455.

PROPERTIES

- THF-free
- Fast
- Does not drip
- Thixotropic
- Gap filling

QUALITY LABELS/STANDARDS

Certificates: AENOR: Adhesivo para tubos de PVC-U para suministro de agua. Certificado No 001/006484 (EN14814).

CE: Adhesive for non-pressure thermoplastic piping systems in installations for the transport/disposal/storage of water (EN 14680).

CE: Adhesive for thermoplastic piping systems for fluids under pressure in installations for the transport/disposal/storage of water (EN 14814).

KIWA-UNI: Adhesive for thermoplastic piping systems for fluids under pressure and drinking water. Certificate KIP-097532/02 based on UNI EN 14814 and D.M.174.

Standards: EN 14680: Meets requirements European standard 14680: Adhesive for non-pressure thermoplastic piping systems.

EN 14814: Meets requirements European standard 14814: Adhesive for thermoplastic piping systems for fluids under pressure.

PREPARATION

Working conditions: Do not use in temperatures $\leq +5^{\circ}\text{C}$.

APPLICATION

Coverage: Indication of the number of adhesive joints per 1 L:

Ø	32	40	50	63	75	90	110	125	160	200	250
#	650	290	160	100	90	70	40	30	20	12	8

Directions for use:

1. Saw off pipes squarely, chamfer and deburr. 2. Clean adhesive surfaces with Griffon Cleaner and Cleaner Cloth. 3. Apply adhesive rapidly and evenly lengthways to both bonding surfaces (pipe thickly, sleeve thinly). 4. Assemble joint immediately. Remove excess adhesive. For the first 10 minutes, do not load the joint mechanically. Properly close the container immediately after use.

Stains/residue: Remove adhesive stains with Griffon Cleaner and Cleaner Cloth.

CURE TIMES*

Ø	16 – 63 mm		75 – 110 mm		125 – 250 mm		16 – 250 mm
°C	10 BAR	16 BAR	10 BAR	16 BAR	10 BAR	16 BAR	NON PRESSURE
5°C - 10°C	4 horas	8 horas	8 horas	16 horas	16 horas	32 horas	2 horas
>10°C	2 horas	4 horas	4 horas	8 horas	8 horas	16 horas	1 hora

* Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

TECHNICAL PROPERTIES

Temperature resistance: +40°C, peak load 95°C

Chemicals resistance: The chemical resistance of adhesive joints depends on the gap width, drying time, pressure, temperature, type and concentration of medium. The adhesive joint generally has the same chemical resistance as the material itself. Exceptions to this are a small number of very aggressive chemicals such as concentrated inorganic acids, caustic solutions and strong oxidants.

TECHNICAL SPECIFICATIONS

Chemical base: Solution of PVC in a mixture of solvents

Colour: Colourless

Viscosity: approx. 1.200 mPa.s., Thixotropic

Solid matter: approx. 21 %

Density: approx. 0.89 g/cm³

Flash point: K1 (<21°C)



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STORAGE CONDITIONS

At least 24 months in the unopened package and stored between +5°C and +25°C. Close the container properly and store in a dry, cool and frost-free location. Limited shelf life after opening.

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.