



# UNI-100® EN/DE

## FAST, THIXOTROPIC RIGID PVC CEMENT



### PRODUCT DESCRIPTION

Fast, thixotropic 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  $\leq 315$  mm. Max. 16 bar (PN 16). Maximal tolerances: 0.8 mm diametrical clearance / 0.2 mm press fit. Suitable for e.g. pipe systems conforming to EN1329, 1452, 1453, 1455 and ISO 15493 (PVC).

### PROPERTIES

- With special brush
- With quick release cap
- Fast
- Thixotropic
- Gap filling

### QUALITY LABELS/STANDARDS

**Certificates:** BFKH (Budapest Főváros Kormányhivatala): Approved for drinking water.

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).

Kitemark: Solvent cement for pressure and non-pressure thermoplastic pipe systems. Licence KM 87235 (BS 4346/3).

KIWA: Adhesives for connections in PVC and PVC/CPE water pipe systems. Approved for drinking water. Certificate K5067 based on BRL K525.

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.

KOMO: Adhesives for connections in non-plastified PVC interior sewage systems. Certificate K4395 based on BRL 5221.

PZH: Hygienic Certificate HK/W/0746/01/2017

SZU (Strojirensky Zkusebni Ustav), Centre for Health and the Environment: Approved for drinking water.

WRAS: Approved for drinking water. WRAS certificate (BS 6920).

**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	315
#	650	290	160	100	90	70	40	30	20	12	8	5

### 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 all around (4-6x) 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.

**Points of attention:** Brush size varies per packaging volume. Use a suitable packaging (brush) for the diameter to be bonded.

16 - 63 mm	40 - 90 mm	50 - 160 mm	160 - 315 mm
250 ml	500 ml	1000 ml	BRUSH



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### CURE TIMES\*

Ø	16 – 63 mm		75 – 110 mm		125 – 315 mm	
	10 BAR	16 BAR	10 BAR	16 BAR	10 BAR	16 BAR
5°C - 10°C	4 hours	8 hours	8 hours	16 hours	16 hours	32 hours
>10°C	2 hours	4 hours	4 hours	8 hours	8 hours	16 hours

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

### TECHNICAL PROPERTIES

**Temperature resistance:** +60°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:** Grey (transparent)

**Viscosity:** approx. 1.450 mPa.s., Thixotropic

**Solid matter:** approx. 22 %

**Density:** approx. 0.97 g/cm<sup>3</sup>

**Flash point:** K1 (<21°C)

### 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.