UNI-100

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 round pipe brush and wiper for a quick, clean, and optimal application. Suitable for diameters ≤ 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 EN 1329, 1452, 1453, 1455 and ISO 15493 (PVC).

PROPERTIES

· Fast
· Thixotropic
· Gap filling

CERTIFICATES & STANDARDS

Certificates	
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	KIWA: Adhesives for connections in PVC and PVC/CPE water pipe systems. Approved for drinking water. Certificate K5067 based on BRL K525.
KOMO®	KOMO: Adhesives for connections in non-plastified PVC interior sewage systems. Certificate K4395 based on BRL 5221.
bsi	Kitemark: Solvent cement for pressure and non-pressure thermoplastic pipe systems. Licence KM 87235 (BS 4346/3).
WRAS APPROVED MATERIAL	WRAS: Approved for drinking water. WRAS certificate (BS 6920).
UKCA	Adhesive for non-pressure thermoplastic piping systems in installations for the transport/disposal/storage of water (EN 14680).
UKCA	Adhesive for thermoplastic piping systems for fluids under pressure in installations for the transport/disposal/storage of water (EN 14814).
kiwa UNI IT-DT-Ki0410	KIWA-UNI: Adhesive for thermoplastic piping systems for fluids under pressure and drinking water. Certificate KIP-097532 based on UNI EN 14814 and D.M.174.
NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO · PIB · PRODUKT Z ATESTEM	PZH: Hygienic Certificate B.BK.60110.1666.2024
SZU	SZU (Strojirensky Zkusebni Ustav), Centre for Health and the Environment: Approved for drinking water.

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.

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

Standards	
EN 14680	EN 14680: Meets requirements European standard 14680: Adhesive for non-pressure thermoplastic piping systems.
EN 14814	EN 14814: Meets requirements European standard 14814: Adhesive for thermoplastic piping systems for fluids under pressure.

PREPARATION

Working Conditions: Do not use in temperatures ≤ +5°C.

APPLICATION

Coverage: Indication of the number of 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. Cut pipes square, chamfer edges and deburr. 2. Clean surfaces with Griffon Cleaner and Cleaner Cloth. 3. Apply adhesive rapidly and evenly all around (4-6x) on both surfaces (pipe thickly, socket thinly). 4. Assemble joint immediately. Remove excess adhesive. Do not load the joint mechanically for the first 10 minutes. Close packaging 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 - 50 mm	16 - 63 mm	40 - 90 mm	50 - 160 mm	160 - 315 mm
125 ml	250 ml	500 ml	1000 ml	

TECHNICAL SPECIFICATIONS

Chemical base:	Solution of PVC in a mixture of solvents
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.
Colour:	Colourless
Density approx.:	0,98 g/cm³
Temperature resistance:	60 °C
Temperature resistance, peak load:	95 °C
Solid matter approx.:	22 %
Viscosity:	Thixotropic
Viscosity approx.:	1450 mPa·s

ø	16 – 63 mm		75 – 110 mm		125 – 315 mm	
°C	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.

STORAGE CONDITIONS

Shelf life: At least 24 months after production.
Stored in unopened packaging between +5°C and +25°C.
Best Before Date (MM/YY): see packaging. Close packaging properly after use and store in a dry, cool, and frost-free location.
Limited shelf life after opening.

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