UNI-100® XT

THIXOTROPIC, THF-FREE RIGID PVC CEMENT

PRODUCT DESCRIPTION

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. Suitable for diameters ≤ 400 mm. Max. 16 bar (PN 16). Tolerances: diametrical clearance max. 0.6 mm / max. 0.2 mm press fit. Suitable for e.g. pipe systems conforming to EN1329, 1452, 1453, 1455 and ISO 15493 (PVC).

PROPERTIES

· With special pipe brush
· With quick release cap
· THF-free
· Thixotropic
· Gap filling

QUALITY LABELS/STANDARDS

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: Adhesives for connections in PVC and PVC/CPE water pipe systems. Certificate K5067 based on BRL K525 (NEN 7106).
KIWA-ATA: approved for drinking water systems.
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 ≤ +5°C.

APPLICATION

Coverage: Indication of the number of connections 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. Cut pipes square, chamfer edges and remove burrs. 2. Clean surfaces to be joined with Griffon Cleaner and Cleaner Cloth. 3. Apply cement quickly and evenly all around (4-6x) on both surfaces to be joined (pipe thick, socket thin). 4. Join parts immediately. Remove excess cement. Do not submit joint to a load for first 10 minutes. Close packaging carefully immediately after use.
Stains/residue: Remove cement stains with Griffon Cleaner.
Points of attention: Brush size varies depending on packaging volume. Use packaging (brush) which matches diameter to be joined.

16 - 63 mm	40 - 90 mm	50 - 160 mm	160 - 400 mm
250 ml	500 ml	1000 ml	BRUSH PINSEL

CURE TIMES

Dry/Cure time: approx. See schedule:

ø	16 – 63 mm		75 – 110 mm		125 – 400 mm	
°C	10 BAR	16 BAR	10 BAR	16 BAR	5 BAR	10 BAR
+5°C - +10°C	12 hours/stunde	36 hours/stunde	24 hours/stunde	48 hours/stunde	36 hours/stunde	72 hours/stunde
> +10°C	4 hours/stunde	8 hours/stunde	8 hours/stunde	16 hours/stunde	12 hours/stunde	24 hours/stunde

*** 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 joints depends on gap width, drying time, pressure applied, temperature, type and concentration of the product. In general, the joint can be stated to have the same chemical resistance as the material itself, with the exception of a limited number of very aggressive chemicals, such as concentrated anorganic acids, lyes and powerful oxidants.

TECHNICAL SPECIFICATIONS

Chemical base: Solution of PVC in a mixture of solvents.
Colour: Yellow (transparent)
Viscosity: approx. 2500 mPa.s.
Solid contents: approx. 22 %
Density: approx. 0.94 g/cm^3
Flash point: K1 (<21°C)

STORAGE CONDITIONS

At least 18 months, if stored in a well-closed packaging in a dry place at a temperature between +5°C and +25°C. Store with packaging properly closed in a dry, cool and frost-free place. Limited shelf life after opening.