WDF-05®

EXTREMELY FAST, THIXOTROPIC, BLUE PVC CEMENT

PRODUCT DESCRIPTION

Extremely fast, thixotropic, blue PVC cement.

FIELD OF APPLICATION

For joining pipes, sockets and fittings with interference fit and loose fit (gap filling) in pressure and drainage systems. Extremely suitable for flexible hoses and applications under wet conditions, such as swimming pools and whirlpools. With special pipe brush for quick and easy application. Suitable for diameters ≤ 160 mm. Max. 16 bar (PN 16). Maximal tolerances 0.8 mm diametrical clearance / 0.2 mm press fit. Flexible hoses 0.3 mm diametrical clearance. Suitable for e.g. pipe systems conforming to EN 1329, 1452, 1453, 1455 and ISO 15493 (PVC).

PROPERTIES

· Very 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.
QB	CSTB: Adhesives for connections in PVC piping systems. Certificate 13-AD06 (EN 14814).
ACS	ACS: In accordance with the positive lists of ACS (Attestation de Conformité Sanitaire). Certificate Eurofins 21 CLP NY 021.
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).
UK CA	Adhesive for non-pressure thermoplastic piping systems in installations for the transport/disposal/storage of water (EN 14680).
UK CA	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.

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	
AENOR	AENOR: Adhesivo para tubos de PVC-U para suministro de agua. Certificado No 001/007271 (EN14814).

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

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 - 63 mm	40 - 160 mm
250 ml	500 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:	Blue (transparent)
Density approx.:	0.93 g/cm³
Flash point:	K1 (<21°C)
Temperature resistance:	60 °C
Temperature resistance, peak load:	95 °C
Solid matter approx.:	17 %
Viscosity:	Thixotropic
Viscosity approx.:	675 mPa·s

Ø	16 – 50 mm			63 – 110 mm			125 – 160 mm		
°C	5 BAR	10 BAR	16 BAR	5 BAR	10 BAR	16 BAR	5 BAR	10 BAR	16 B AR
5°C - 15°C	30 min	1 hour	4 hours	1 hour	2 hours	8 hours	4 hours	16 hours	32 hours
>15°C	15 min	30 min	2 hours	30 min	1 hour	4 hours	2 hours	8 hours	16 hours
Flexible tubes 24 hours / ABS (max 5 bar) double setting times									

* 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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