Weld-On 724: The World's Most Specified CPVC Solvent Cement

Weld-On 724 has been successfully used for the most critical chemical applications. It has been specified in semi-conductor production, wastewater treatment facilities, and commercial construction projects across the globe.

Weld-On 724 is specifically formulated for joining CPVC industrial piping systems carrying corrosive chemicals. In addition to CPVC, Weld-On 724 is also capable of joining PVC piping with the same high level of chemical resistance. It is the most chemically resistant CPVC solvent cement in the industry.

Independent testing with various harsh chemicals showed no joint failures even after 1,000 hours of exposure at elevated temperatures and pressures.

Weld-On 724 is listed with both IAPMO and NSF International for potable water (PW)* , Drain, waste, and vent (DWV) and Sewer Waste (SW). It meets ASTM F493 requirements and is approved for use with CORZAN® industrial piping systems. It can be used on CPVC and PVC piping systems up to and including 12" diameter (315mm) all classes and schedules with interference fit. This cement is GreenGuard Gold certified by UL and can be used for LEED® Green Building credits. *(*Only with CPVC piping.)*

There are several factors that engineers and installers need to take into consideration when constructing thermoplastic piping systems that transport chemicals. Some of these factors include: temperature, pressure, % concentration, location (indoor/outdoor) as well as several others. Follow sound engineering installation and assembly practices as those found in ASME NM-1 and NM-3 (non-metallic codes) as well as ASTM standard assembly practice D2855. Use of P70 primer is required.

Available in Orange, Gray and Clear

EN 14814
EN 14680
CE 24
NSF C US
UPC
GREENGUARD
UK CA
WRAS APPROVED MATERIAL

Weld-On 724
CHEMICAL RESISTANCE DATA

Weld-On commissioned an independent third-party laboratory to conduct chemical resistance tests on CPVC and PVC piping systems under controlled pressure and temperature conditions similar to those normally found in the chemical processing industry. The tests were conducted for continuous 1,000 hours with CPVC and PVC piping systems carrying a variety of chemical solutions. The resulting data conclusively showed no joint failure in all tests.

CPVC TEST DATA

All CPVC joints were solvent-welded with Weld-On 724 and P-70 Primer. Test Duration = 1,000 hours.

CHEMICAL	CONCENTRATION	TEMPERATURE °F (°C)	PRESSURE PSI (BARS)	TEST RESULT
Sulfuric Acid	98%	180 (82)	100 (7)	Pass
Nitric Acid	70%	180 (82)	100 (7)	Pass
Chromic Acid	40%	180 (82)	100 (7)	Pass
Hydrogen Peroxide	35%	Room Temp	100 (7)	Pass
Ethylene Glycol	100%	180 (82)	100 (7)	Pass
Propylene Glycol	100%	180 (82)	100 (7)	Pass
Deionized Water	100%	180 (82)	100 (7)	Pass
Sodium Hypochlorite	10-15%	180 (82)	0 (0)	Pass
Hydrofluoric Acid	48%	140 (60)	100 (7)	Pass
Fluorosilicic Acid	25%	180 (82)	100 (7)	Pass
Hydrochloric Acid	37%	180 (82)	100 (7)	Pass

PVC TEST DATA

All PVC joints were solvent-welded with Weld-On 724 and P-70 Primer. Test Duration = 1,000 hours.

CHEMICAL	CONCENTRATION	TEMPERATURE °F (°C)	PRESSURE PSI (BARS)	TEST RESULT
Sulfuric Acid	98%	140 (60)	100 (7)	Pass
Nitric Acid	70%	140 (60)	100 (7)	Pass
Chromic Acid	40%	140 (60)	100 (7)	Pass
Hydrogen Peroxide	35%	Room Temp	100 (7)	Pass
Ethylene Glycol	100%	140 (60)	100 (7)	Pass
Propylene Glycol	100%	140 (60)	100 (7)	Pass
Deionized Water	100%	140 (60)	100 (7)	Pass
Sodium Hypochlorite	10-15%	140 (60)	0 (0)	Pass
Hydrofluoric Acid	48%	140 (60)	100 (7)	Pass
Fluorosilicic Acid	25%	140 (60)	100 (7)	Pass
Hydrochloric Acid	37%	140 (60)	100 (7)	Pass