

WELD-ON®

THE WORLD'S MOST TRUSTED BOND

Product Guide



OUR KEY INDUSTRIES ▶ INDUSTRIAL | IRRIGATION | POOL & SPA | CONSTRUCTION | FIRE SUPPRESSION

We make the world's most reliable plastic pipe joining products for professionals who know trust can't be compromised.

For 70+ years, Weld-On has been the global leader in solvent cement technology. Our products have proven to be unquestionably dependable in exceptional projects around the planet—from the tallest skyscrapers to irrigation systems feeding families to high-tech factories and beyond.

What defines us:

FAILPROOF PRODUCTS

Weld-On products are proven to perform under the most demanding conditions. Each product faces stringent quality control tests and is continuously evaluated in the field against rigorous requirements. We hold ourselves to nothing less than being completely reliable.

► 0 FAILURES DUE TO MANUFACTURING DEFECTS

FIRST TO MARKET INNOVATORS

Expect forward-thinking products from Weld-On, the first company to pioneer solvent cement and the first to introduce environmentally responsible low VOC options. We continue to develop groundbreaking products to better suit our customers and their ever-changing needs, including regulatory compliance.

► 1993: LOW VOC CEMENTS

► 2019: ECO™ SERIES

► 2022: ULTRA LOW VOC CEMENTS

INDUSTRY EXPERTS

Rely on us for the most knowledgeable product recommendations, educational tools and training opportunities. From our technical team to our hazmat logistic specialists, we are here to support you with whatever you need so you can feel confident and increase productivity.

► PROGRAMS AND TRAINING

► STAFFED TECHNICAL HOTLINE



PROFESSIONAL TRAINING HUB



SELF-GUIDED TRAINING

Learn at Your Own Pace Online

- Self-Guided Learning Modules
- Learn When and Where You Want
- English and Spanish Courses Available
- Best For: Individuals

INSTRUCTOR-LED TRAINING

Learn from a Weld-On Expert with Pre-scheduled Open Sessions

- Real-Time Online Expert Training
- Monthly Prescheduled Webinars
- English and Spanish Courses Available
- Best For: Individuals and Small Groups

Learn from a Weld-On Expert, on Your Schedule with Private Sessions

- Real-Time Online Expert Training on Your Schedule
- You Schedule the Training Webinar Day and Time
- Training Catered to Your Business
- English and Spanish Courses Available
- Best For: Medium to Large Groups (8 or More)

IN-PERSON TRAINING

Learn from a Weld-On Expert, on Your Schedule at Your Location

- In-Person Training on Your Schedule at Your Office or Jobsite
- You Schedule the Training Session Day and Time
- Training Catered to Your Business
- ASME B31.3 Bonder Qualification Training Available
- English and Spanish Courses Available
- Best For: Large Groups (15 or More)

SCAN HERE TO VISIT
THE PROFESSIONAL
TRAINING HUB PAGE



www.weldon.com/traininghub/

As the global leader in solvent cement technology, Weld-On is unmatched not only in innovation, but also in customer support and training.

That's why we created Weld-On's Professional Training Hub, a FREE learning platform that has become the trusted choice of industry professionals.

The Hub works on desktop and mobile devices, and there is no app to download.



@WeldonSolventCements



SCAN HERE TO VISIT
OUR YOUTUBE CHANNEL



We have several informative videos to help you through your entire solvent cement journey, from product selection to step-by-step tutorials.

Technical Hotline

We offer a staffed, not pre-recorded, technical hotline to help answer questions about Weld-On products and techniques for solvent welding plastic pipe and fittings.

If you need assistance or want to sign up for our training program, call us or send us an email.

📞 US 1-877-477-8327

✉️ training@weldon.com

Product Selector Guide

Choose the correct Weld-On products for your application based on your pipe diameter and material (PVC, CPVC or ABS). Refer to the following charts to help you and read further details on subsequent pages.



Irrigation Products

				MAX PIPE SIZE					
				2 IN (63 MM)	4 IN (110 MM)	6 IN (160 MM)	8 IN (200 MM)	12 IN (315 MM)	30 IN (800 MM)
REGULAR BODIED	700	PVC	○	SCHEDULE 80					
				SCHEDULE 40					
MEDIUM BODIED	705	PVC	○ ●	SCHEDULE 80					
				SCHEDULE 40					
HEAVY BODIED	721	PVC	●	SCHEDULE 80					
				SCHEDULE 40					
MEDIUM BODIED	725 WET'R DRY	PVC	●	SCHEDULE 80					
				SCHEDULE 40					
HEAVY BODIED	727 HOT'R COLD	PVC	○	SCHEDULE 80					
				SCHEDULE 40					
MEDIUM BODIED	735 WET'N FAST	PVC	●	SCHEDULE 80					
				SCHEDULE 40					
HEAVY BODIED	737 TURF'N AG	PVC	●	SCHEDULE 80					
				SCHEDULE 40					
HEAVY BODIED	711	PVC	●	SCHEDULE 80					
				SCHEDULE 40					
HEAVY BODIED	717	PVC	○ ●	SCHEDULE 80					
				SCHEDULE 40					



Pool & Spa Products

				MAX PIPE SIZE				
				2 IN (63 MM)	4 IN (110 MM)	6 IN (160 MM)	8 IN (200 MM)	12 IN (315 MM)
REGULAR BODIED	740 Pool Regular	PVC	○	SCHEDULE 40				
MEDIUM BODIED	744 Pool Medium	PVC	○ ●	SCHEDULE 80				
HEAVY BODIED	746 Pool Heavy	PVC	○ ●	SCHEDULE 80				
MEDIUM BODIED	747 Pool 'R Spa	PVC	●	SCHEDULE 80				
				SCHEDULE 40				
MEDIUM BODIED	748 Pool Fast	PVC	●	SCHEDULE 80				
				SCHEDULE 40				
MEDIUM BODIED	795 Flex	PVC	○ ●	SCHEDULE 80				
				SCHEDULE 40				
MEDIUM BODIED	Red Hot Pool Pro	PVC	●	SCHEDULE 80				
				SCHEDULE 40				

ICONS		PIPE TYPE		PRODUCT COLORS	
Available in Weld-On ECO		CPVC PIPE	ABS	○ Clear	● Orange
Industrial Strength		PVC PIPE	CTS	○ White	● Blue

ECO products are code compliant and have a 30% lower solvent emission rate than other cements

For Chemical Piping Systems



Industrial Products

				MAX PIPE SIZE					
				2 IN (63 MM)	4 IN (110 MM)	6 IN (160 MM)	8 IN (200 MM)	12 IN (315 MM)	30 IN (800 MM)
MEDIUM BODIED	705	PVC	○ ●	SCHEDULE 80					
				SCHEDULE 40					
HEAVY BODIED	711	PVC	●	SCHEDULE 80					
				SCHEDULE 40					
EXTRA HEAVY BODIED	719	PVC	● ○	SCHEDULE 80					
				SCHEDULE 40					
HEAVY BODIED	724	CPVC	● ●	SCHEDULE 80					
				SCHEDULE 40					
EXTRA HEAVY BODIED	729	CPVC	●	SCHEDULE 80					
				SCHEDULE 40					



Construction & Specialty Products

				MAX PIPE SIZE					
				2 IN (63 MM)	4 IN (110 MM)	6 IN (160 MM)	8 IN (200 MM)	12 IN (315 MM)	30 IN (800 MM)
REGULAR BODIED	700	PVC	○	SCHEDULE 40					
				SCHEDULE 40					
MEDIUM BODIED	702	PVC	○	SCHEDULE 40					
				SCHEDULE 40					
MEDIUM BODIED	704	PVC	○	SCHEDULE 80					
				SCHEDULE 40					
HEAVY BODIED	705	PVC	○ ●	SCHEDULE 80					
				SCHEDULE 40					
HEAVY BODIED	711	PVC	●	SCHEDULE 80					
				SCHEDULE 40					
EXTRA HEAVY BODIED	717	PVC	○ ●	SCHEDULE 80					
				SCHEDULE 40					
MEDIUM BODIED	719	PVC	○ ○	SCHEDULE 80					
				SCHEDULE 40					
REGULAR BODIED	790	PVC/CPVC	● ●	SCHEDULE 80					
				SCHEDULE 40					
MEDIUM BODIED	713	CPVC	●	CTS					
				CTS					
MEDIUM BODIED	Flowguard Gold® Yellow	Flowguard Gold® Yellow	●	CTS					
				CTS					
HEAVY BODIED	Flowguard Gold® Green	Flowguard Gold® Green	●	CTS					
				CTS					
MEDIUM BODIED	714	CPVC	● ○	SCHEDULE 80					
				SCHEDULE 40					
MEDIUM BODIED	794 TRANSITION	ABS PVC	●	ABS - ALL CLASSES & SCHEDULES EXCEPT SCHEDULE 80					

PVC Solvent Cements

Weld-On® cements have the widest range of high-strength, ultra low VOC solvent cements for every PVC application, for rigid as well as flexible PVC pipe and fittings. Regular, medium, heavy and extra heavy bodied cements are formulated for PVC pipe in many schedules and sizes. These products are ideal for use with potable water pressure systems, irrigation, industrial piping, sewer and DWV systems.

700 ECO™ PVC REGULAR BODIED

- Maximum strength with reduced odorous fumes for improved workplace environment.
- Suitable for irrigation, plumbing, electrical conduit, pool & spa applications, including PVC foam core pipe.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 4" (110 mm) PVC Fast
► 2" (63 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► NSF/ANSI 14
► NSF/ANSI 61



700™ PVC REGULAR BODIED

- Excellent for irrigation, plumbing, electrical conduit, pool & spa applications, including PVC foam core pipe.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 4" (110 mm) PVC Fast
► 2" (63 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► NSF/ANSI 14
► NSF/ANSI 61



710™ PVC REGULAR BODIED

- Specially formulated for irrigation piping.
- Suitable for irrigation, plumbing, electrical conduit, pool & spa applications, including PVC foam core pipe.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 2" (63 mm) PVC Not for Schedule 80 Very Fast

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► NSF/ANSI 14
► NSF/ANSI 61



704™ PVC MEDIUM BODIED

- Quality formulation for irrigation, electrical conduit, pool & spa and plumbing, including PVC foam core pipe.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 6" (160 mm) PVC Fast
► 4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► NSF/ANSI 14
► NSF/ANSI 61



705 ECO™ PVC MEDIUM BODIED

- Maximum strength. Reduced odorous fumes for improved workplace environment.
- Suitable for industrial, irrigation, plumbing, DWV, electrical conduit, pool & spa applications, including PVC foam core pipe.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 6" (160 mm) PVC Fast
► 4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► NSF/ANSI 14
► NSF/ANSI 61
► CSA B137.3
► CSA B181.2



705™ PVC MEDIUM BODIED

- Suitable for irrigation, plumbing, electrical conduit, pool & spa applications, including PVC foam core pipe.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 6" (160 mm) PVC Fast
► 4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► NSF/ANSI 14
► NSF/ANSI 61
► CSA B137.3
► CSA B181.2



ICONS

 Available in Weld-On ECO
ECO products are code compliant
and have a 30% lower solvent
emission rate than other cements

 Industrial Strength

 For Chemical
Piping Systems

PRODUCT COLORS

○ Clear	● Gray	● Orange	● Aqua	● Amber
○ White	● Purple	● Blue to Clear	● Black	● Yellow
● Blue		● Green		○ Milky

721 ECO™ PVC MEDIUM BODIED

- Maximum strength. Reduced odorous fumes for improved workplace environment.
- Premium, high-strength formulation for irrigation, DWV, pool & spa and plumbing.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 6" (160 mm) PVC Fast
► 4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► NSF/ANSI 14
► NSF/ANSI 61



721™ PVC MEDIUM BODIED

- Premium, high-strength formulation for irrigation, DWV, pool & spa and plumbing.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 6" (160 mm) PVC Fast
► 4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► NSF/ANSI 14
► NSF/ANSI 61



711 ECO™ PVC HEAVY BODIED

- Maximum strength. Reduced odorous fumes for improved workplace environment.
- For large diameter pressure piping systems.
- Good gap filling properties.
- Medium set allows for more working time in warm weather.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 12" (315 mm) PVC all classes & schedules Medium

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► CSA B137.3
► NSF/ANSI 14
► CSA B181.2
► NSF/ANSI 61



711™ PVC HEAVY BODIED

- High-strength formula for large diameter pressure piping systems.
- Good gap filling properties.
- Medium set allows for more working time in warm weather.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 12" (315 mm) PVC all classes & schedules Medium

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► CSA B137.3
► NSF/ANSI 14
► CSA B181.2
► NSF/ANSI 61



717 ECO™ PVC HEAVY BODIED

- Maximum strength. Reduced odorous fumes for improved workplace environment.
- Quality formulation for plumbing, industrial, pool, irrigation and electrical piping systems.
- Good gap filling properties.
- Medium set allows for more working time in warm weather.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 12" (315 mm) PVC all classes & schedules Medium

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► CSA B137.3
► NSF/ANSI 14
► CSA B181.2
► NSF/ANSI 61



717™ PVC HEAVY BODIED

- Quality formulation for plumbing, industrial, pool, irrigation and electrical piping systems.
- Good gap filling properties.
- Medium set allows for more working time in warm weather.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 12" (315 mm) PVC all classes & schedules Medium

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► CSA B137.3
► NSF/ANSI 14
► CSA B181.2
► NSF/ANSI 61



719™ PVC EXTRA HEAVY BODIED

- Premium, high-strength formulation for large size industrial piping systems.
- Ideal for fabrication of large fittings and applications requiring high gap filling properties.
- Suitable for irrigation, conduit, other pressure and non-pressure applications.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 30" (800 mm) PVC all classes & schedules Slow

INDUSTRY LISTING PERFORMANCE SPECIFICATION
► ASTM D 2564
► CSA B137.3
► NSF/ANSI 14
► CSA B181.2
► NSF/ANSI 61



719™ PVC EXTRA HEAVY BODIED

- Premium, high-strength formulation for large size industrial piping systems.
- Ideal for fabrication of large fittings and applications requiring high gap filling properties.
- Suitable for irrigation, conduit, other pressure and non-pressure applications.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
► 30" (800 mm) PVC all classes & schedules Slow

INDUSTRY LISTING

► ASTM D 2564
► CSA B137.3
► NSF/ANSI 14
► CSA B181.2
► NSF/ANSI 61

► ASTM D 2564
► CSA B137.3
► NSF/ANSI 14
► CSA B181.2
► NSF/ANSI 61

► ASTM D 2564
► CSA B137.3
► NSF/ANSI 14
► CSA B181.2
► NSF/ANSI 61



PVC Specialty Solvent Cements

Regular, medium, heavy and extra heavy bodied cements are specifically formulated for PVC plastic pipe and fittings.

725™ Wet 'R Dry™ MEDIUM BODIED

- Premium formula for wet conditions and/or quick pressurization.
- Suitable for irrigation, plumbing, and pool & spa applications.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
6" (160 mm) PVC Extremely Fast
4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION AVAILABLE SIZES
NSF PW-G/DWV/SW ASTM D 2564 Gallon (#10164)
UPC Quart (#10165)
NSF/ANSI 14 Pint (#10166)
NSF/ANSI 61



727™ Hot 'R Cold™ MEDIUM BODIED

- Premium formula for all weather conditions (-15°F to 110°F / -26°C to 43°C).
- Suitable for industrial, irrigation, plumbing, electrical conduit, pool & spa applications, as well as PVC foam core pipe.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
6" (160 mm) PVC Very Fast
4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION AVAILABLE SIZES
NSF PW-G/DWV/SW ASTM D 2564 Gallon (#10840)
UPC Quart (#10841)
NSF/ANSI 14 Pint (#10842)



735™ Wet 'N Fast™ MEDIUM BODIED

- Premium formula for wet conditions and/or quick pressurization.
- Suitable for irrigation, plumbing, and pool & spa applications.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
6" (160 mm) PVC Very Fast
4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION AVAILABLE SIZES
NSF PW-G/DWV/SW ASTM D 2564 Gallon (#12494)
UPC Quart (#12495)
NSF/ANSI 14 Pint (#12496)



737™ Turf 'N Ag™ MEDIUM BODIED

- Premium formula with higher viscosity making it ideal for turf and agricultural applications, as well as PVC well casing.
- Blue color fades to clear in sunlight for cleaner looking joints.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
8" (200 mm) PVC Very Fast
4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING PERFORMANCE SPECIFICATION AVAILABLE SIZES
NSF PW-G/DWV/SW ASTM D 2564 Gallon (#10988)
UPC Quart (#10989)
NSF/ANSI 14 Pint (#10990)



795™ PVC C MEDIUM BODIED

- Suitable for industrial, irrigation, plumbing, electrical conduit, pool & spa applications, as well as PVC foam core pipe.
- Can be used without primer on non-pressure systems if local codes permit.
- Premium cement specially formulated for use on flexible and/or rigid PVC.
- Forms flexible high-strength joints.

MAX PIPE SIZE (INTERFERENCE FIT) PERFORMANCE SPECIFICATION
6" (160 mm) PVC ASTM D 2564
3" (90 mm) Schedule 80 PVC NSF/ANSI 14
NSF/ANSI 61

SET TIME
Fast

INDUSTRY LISTING
NSF PW-G/DWV/SW
UPC



CPVC Solvent Cements

Regular, medium, heavy and extra heavy bodied cements are specifically formulated for CPVC plastic pipe and fittings. These products are ideal for use in hot/cold water plumbing systems, water treatment and chemical plants, as well as industrial piping systems.

713™ CPVC C REGULAR BODIED

- For residential plumbing and industrial systems.
- For potable water to 180°F (82°C).

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
2" (63 mm) CPVC copper tube size Fast

INDUSTRY LISTING PERFORMANCE SPECIFICATION AVAILABLE SIZES
NSF PW-G/DWV/SW ASTM D 2846 Quart (#10126)
UPC Quart (#10127)
NSF/ANSI 14 ½ Pint (#10128)
NSF/ANSI 61 ¼ Pint (#10129)



714™ CPVC C HEAVY BODIED

- Industrial quality for non-chemical applications up to 180°F (82°C).
- Approved for use on Corzan® CPVC piping systems.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
12" (315 mm) CPVC, all classes & schedules Medium

INDUSTRY LISTING PERFORMANCE SPECIFICATION AVAILABLE SIZES
NSF PW-G/DWV/SW ASTM D 2846 ORANGE
UPC Quart (#10130)
NSF/ANSI 14 Quart (#10132)
NSF/ANSI 61 Pint (#10135)
Pint (#10137)



729™ CPVC C EXTRA HEAVY BODIED

- Extra heavy bodied industrial quality cement for applications requiring high gap filling properties.
- Ideal for fabrication of large sized fittings.
- May be used for chemical applications.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
24" (600 mm) CPVC, all classes & schedules Slow

PERFORMANCE SPECIFICATION AVAILABLE SIZES
ASTM F 493 Gallon (#10844)
Quart (#10845)



724™ CPVC C HEAVY BODIED

- Premium, chemical-resistant, high-strength solvent cement for use with CPVC and PVC piping systems carrying acids, bases, salts, and hypochlorites.
- Approved for Corzan® CPVC piping systems.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
12" (315 mm) CPVC, all classes & schedules Medium

INDUSTRY LISTING PERFORMANCE SPECIFICATION AVAILABLE SIZES
NSF PW-G/DWV/SW ASTM F 493 GRAY
UPC Quart (#12817)
NSF/ANSI 14 Quart (#12818)
NSF/ANSI 61 Pint (#13531)
Pint (#11890)



FlowGuard Gold® Yellow C MEDIUM BODIED

- Suitable for residential plumbing and industrial systems.
- ONE STEP CEMENT: Formulated to be used without primer if local codes permit.
- Approved for use on FlowGuard Gold® Systems.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
2" (63 mm) CPVC copper tube size Fast

INDUSTRY LISTING PERFORMANCE SPECIFICATION AVAILABLE SIZES
NSF PW-G/DWV/SW ASTM D 2846 Quart (#1026)
UPC Pint (#1027)
NSF/ANSI 14 ½ Pint (#11028)
NSF/ANSI 61 ¼ Pint (#11029)



FlowGuard Gold® Green C MEDIUM BODIED

- High contrast green color CPVC cement, easy to identify for code inspection.
- Suitable for residential plumbing and industrial systems.
- ONE STEP CEMENT: Formulated to be used without primer if local codes permit.
- Approved for use on FlowGuard Gold® Systems.

MAX PIPE SIZE (INTERFERENCE FIT) SET TIME
2" (63 mm) CPVC copper tube size Fast

INDUSTRY LISTING PERFORMANCE SPECIFICATION AVAILABLE SIZES
NSF PW-G/DWV/SW ASTM D 2846 Quart (#16161)
UPC Pint (#16162)
NSF/ANSI 14 ½ Pint (#16163)
NSF/ANSI 61 ¼ Pint (#16164)
NSF/ANSI 14 ¼ Pint (#16165)



ICONS

Available in Weld-On ECO
ECO products are code compliant and have a 30% lower solvent emission rate than other cements

Industrial Strength

For Chemical Piping Systems



PRODUCT COLORS

● Clear	● Gray	● Orange	● Aqua
○ White	● Purple	● Blue to Clear	● Amber
● Blue	● Black	● Yellow	● Milky
● Green	● Milky		

Pool & Spa | PVC Primer, Cleaner & Solvent Cements

Our Pool & Spa Series was developed to meet the professional needs of contractors in assembling PVC piping systems for pool and spa applications. Our 740™, 744™ and 746™ solvent cements have different viscosities that meet specific pool and spa requirements, and 747™, 748™ cements are formulated for use in wet, quick pressurization and/or pool maintenance and repair applications.

740™ ECO™ Pool Regular

- Regular bodied cement for pool & spa applications.
- Maximum strength with reduced odorous fumes for improved workplace environment.

MAX PIPE SIZE (INTERFERENCE FIT)
• 4" (110 mm) PVC

INDUSTRY LISTING
NSF
PW-G/DWV / SW

PERFORMANCE SPECIFICATION
• ASTM D 2564
• NSF/ANSI 14
• NSF/ANSI 61

SET TIME
Fast



AVAILABLE SIZES
• Quart (#14849)

740™ Pool Regular

- Regular bodied cement for pool & spa applications.

MAX PIPE SIZE (INTERFERENCE FIT)
• 4" (110 mm) PVC

INDUSTRY LISTING
NSF
PW-G/DWV / SW

SET TIME
Fast

PERFORMANCE SPECIFICATION
• ASTM D 2564
• NSF/ANSI 14
• NSF/ANSI 61

AVAILABLE SIZES
• Quart (#14849)
• Pint (#13552)
• 1/2 Pint (#13553)



744™ Pool Medium

- Medium bodied cement for pool & spa applications.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT)
• 6" (160 mm) PVC
• 4" (110 mm) Schedule 80 PVC

SET TIME
Fast

INDUSTRY LISTING
NSF
PW-G/DWV / SW

AVAILABLE SIZES
• Quart (#14854)

PERFORMANCE SPECIFICATION
• ASTM D 2564
• NSF/ANSI 14
• NSF/ANSI 61
• CSA B137.3
• CSA B181.2

AVAILABLE SIZES
CLEAR
• Gallon (#13554)
• Quart (#13555)
• Pint (#13556)
• 1/2 Pint (#13557)

GRAY
• Gallon (#13558)
• Quart (#13559)



746™ ECO™ Pool Heavy

- Heavy bodied cement for pool & spa applications.
- Maximum strength with reduced odorous fumes for improved workplace environment.

MAX PIPE SIZE (INTERFERENCE FIT)
12" (315 mm) PVC all classes & schedules

SET TIME
Medium

INDUSTRY LISTING
NSF
PW-G/DWV / SW

PERFORMANCE SPECIFICATION
• ASTM D 2564
• NSF/ANSI 14
• NSF/ANSI 61
• CSA B137.3
• CSA B181.2

AVAILABLE SIZES
GRAY
• Quart (#14867)



746™ Pool Heavy

- Heavy bodied cement for pool & spa applications.

MAX PIPE SIZE (INTERFERENCE FIT)
12" (315 mm) PVC all classes & schedules

SET TIME
Medium

INDUSTRY LISTING
NSF
PW-G/DWV / SW

AVAILABLE SIZES
GRAY
• Gallon (#13566)
• Quart (#13567)
• Pint (#13568)
• 1/2 Pint (#13569)

PERFORMANCE SPECIFICATION
• ASTM D 2564
• NSF/ANSI 14
• NSF/ANSI 61
• CSA B137.3
• CSA B181.2

AVAILABLE SIZES
CLEAR
• Gallon (#13562)
• Quart (#13563)



747™ Pool 'R Spa™

- Medium bodied premium PVC cement specially formulated for pool & spa applications.
- Ideal for wet or quick pressurization conditions.
- Blue cement fades to clear in sunlight for cleaner looking joints.
- Can be used without primer on non-pressure systems if local codes permit.



MAX PIPE SIZE (INTERFERENCE FIT)
• 6" (160 mm) PVC
• 4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING
UPC
NSF
PW-G/DWV / SW

SET TIME
Extremely Fast

PERFORMANCE SPECIFICATION
• ASTM D 2564
• NSF/ANSI 14
• NSF/ANSI 61
• CSA B45.10



748™ ECO™ Pool Fast™

- Maximum strength with reduced odorous fumes for improved workplace environment.
- Medium bodied, maximum strength and fast setting cement; formulated for pool maintenance and repair.
- Blue cement fades to clear in sunlight for cleaner looking joints.

MAX PIPE SIZE (INTERFERENCE FIT)
• 6" (160 mm) PVC
• 4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING
NSF
PW-G/DWV / SW

SET TIME
Fast

PERFORMANCE SPECIFICATION
• ASTM D 2564
• NSF/ANSI 14
• NSF/ANSI 61



748™ Pool Fast™

- Medium bodied high-strength solvent cement formulated for pool maintenance and repair.
- For wet or quick pressurization conditions.
- Blue cement fades to clear in sunlight for cleaner looking joints.
- Can be used without primer on non-pressure systems if local codes permit.

MAX PIPE SIZE (INTERFERENCE FIT)
• 6" (160 mm) PVC
• 4" (110 mm) Schedule 80 PVC

INDUSTRY LISTING
NSF
PW-G/DWV / SW

SET TIME
Ultra Fast

PERFORMANCE SPECIFICATION
• ASTM D 2564
• NSF/ANSI 14
• NSF/ANSI 61



AVAILABLE SIZES
• Gallon (#13655)
• Quart (#13342)
• Pint (#13343)
• 1/2 Pint (#13344)

Pool Primer™

- Quality primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces in pool and spa applications.

INDUSTRY LISTING
NSF
PW-G/DWV / SW

AVAILABLE SIZES
CLEAR
• Gallon (#13574)
• Quart (#13575)
• Pint (#13576)
• 1/2 Pint (#13656)

PERFORMANCE SPECIFICATION
• ASTM D 2564
• NSF/ANSI 14
• NSF/ANSI 61



Pool Cleaner™

- For removal of oil and grease from the surfaces of PVC, CPVC, ABS in pool and spa applications and STYRENE pipe and fittings for bonding.
- Use before priming of pipe and fittings.

AVAILABLE SIZES
• Gallon (#15917)
• Quart (#15918)
• Pint (#15919)
• 1/2 Pint (#15920)



ABS Solvent Cements

771™ ABS MEDIUM BODIED

- For plumbing applications (DWV, sewer and drain pipe), conduit and foam core.

MAX PIPE SIZE (INTERFERENCE FIT)
• 8" (200 mm) PVC all classes & schedules

SET TIME
Fast

PERFORMANCE SPECIFICATION
• ASTM D 2235
• NSF/ANSI 61

AVAILABLE SIZES
• Gallon (#10230)
• Quart (#10232)
• Pint (#10233)



773™ ABS MEDIUM BODIED

- For plumbing applications (DWV, sewer and drain pipe), conduit and foam core.

MAX PIPE SIZE (INTERFERENCE FIT)
• 8" (200 mm) PVC all classes & schedules

SET TIME
Fast

PERFORMANCE SPECIFICATION
• ASTM D 2235
• NSF/ANSI 14

AVAILABLE SIZES
• Gallon (#10241)
• Quart (#10243)
• Pint (#10244)
• 1/2 Pint (#10245)
• 1/4 Pint (#10246)



790™ Multi-Purpose MEDIUM BODIED HIGH-STRENGTH

- Multi-purpose cement for PVC and CPVC pipe and fittings.

MAX PIPE SIZE (INTERFERENCE FIT)
• 6" (160 mm) PVC all classes & schedules
• 4" (110 mm) Schedule 80 - PN 10 & 16

SET TIME
Fast

AVAILABLE SIZES
• Gallon (#10248)
• Quart (#10257)
• Pint (#10258)

PERFORMANCE SPECIFICATION
• ASTM F-493

**1/2 Pint (#10259)
1/4 Pint (#10260)**



794™ ABS-PVC MEDIUM BODIED

- For use only on ABS to PVC transition joints in non-pressure systems.
- Suitable for sewer, DWV and conduit.

MAX PIPE SIZE (INTERFERENCE FIT)
• 6" (160 mm) PVC, Not for Schedule 80 PN 10 or Higher

PERFORMANCE SPECIFICATION
• ASTM D 3138

SET TIME
Fast

AVAILABLE SIZES
• Gallon (#10272)
• Quart (#10273)
• Pint (#10274)
• 1/2 Pint (#10275)
• 1/4 Pint (#13369)



Icons

Available in Weld-On ECO
ECO products are code compliant and have a 30% lower solvent emission rate than other cements

Industrial Strength

For Chemical Piping Systems

Product Colors

● Clear	● Gray	● Orange	● Aqua	● Amber
○ White	● Purple	● Blue to Clear	● Black	● Yellow
● Blue	● Green	● Milky		

Primers & Cleaners

Weld-On® Primers and Cleaners are a necessary product for the surface preparation of plastic pipe and fittings. Our Primers and Cleaners are formulated for use on PVC and CPVC pipe and fittings, and our C-65 Cleaner can also be used on ABS and styrene piping applications.

P-68 ECO™ Primer

- Essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces.
- Maximum strength with reduced odorous fumes for improved workplace environment.

INDUSTRY LISTING   PW-G/DWV/SW
Purple Only



P-68 Primer

- Essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces.

INDUSTRY LISTING   PW-G/DWV/SW
Purple Only



P-68™ UV GLOW™ Primer

- Clean, clear appearance that glows purple under UV light for code inspection.
- Essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces.

INDUSTRY LISTING   PW-G/DWV/SW

PERFORMANCE SPECIFICATION

- ASTM F 656
- NSF/ANSI 14
- NSF/ANSI 61
- SCAQMD Rule 1168/316A
- IAPMO Uniform Plumbing Code

AVAILABLE SIZES

- Quart (#16212)
- Pint (#16213)



P-70™ Primer

- Premium, industrial strength primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces.
- Recommended for use on Schedule 80 (PN 10 and higher) and large size pipe.
- Excellent for cold weather applications.

INDUSTRY LISTING

  Purple Only PW-G/DWV/SW

AVAILABLE SIZES

- CLEAR
- PURPLE
- Gallon (#10220)
- Gallon (#10221)
- Quart (#10222)
- Pint (#10224)
- ½ Pint (#10226)
- ¼ Pint (#10228)
- ½ Pint (#10227)
- ¼ Pint (#10229)



P-75™ Wet 'R Dry™ Primer

- Premium, fast acting, industrial strength primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces.
- Specially formulated for wet and/or quick set applications.

INDUSTRY LISTING

 PW-G/DWV/SW

AVAILABLE SIZES

- Gallon (#10247)
- Quart (#10248)
- Pint (#10249)
- ½ Pint (#10250)



PERFORMANCE SPECIFICATION

- ASTM F 656
- NSF/ANSI 14
- NSF/ANSI 61

C-65™ Cleaner

- For removal of oil and grease from the surfaces of PVC CPVC, ABS and STYRENE pipe and fittings for bonding.
- Use before priming of pipe and fittings.

AVAILABLE SIZES

- Gallon (#10200)
- ½ Pint (#10203)
- Quart (#10201)
- ¼ Pint (#10204)
- Pint (#10202)



PC-64 Primer/Conditioner

- For surface preparation of PVC and CPVC pipe and fittings before bonding with solvent cements.

AVAILABLE SIZES

- PURPLE
- CLEAR
- Gallon (#10871)
- Quart (#12656)
- Quart (#10872)
- Pint (#10873)



ICONS

 Available in Weld-On ECO
ECO products are code compliant and have a 30% lower solvent emission rate than other cements

 Industrial Strength

 For Chemical Piping Systems

PRODUCT COLORS

● Clear	● Purple	● Blue to Clear	● Aqua	● Amber
○ White	● Blue	● Clear to UV	● Black	● Yellow
● Gray	● Orange	● Purple	● Green	● Milky

Solvent Cement Set Time

Average Initial Set Schedule For Weld-On® PVC/CPVC Solvent Cements **

TEMPERATURE RANGE	MAX PIPE SIZE	1/2 - 1 1/4 IN (20 - 40 MM)	1 1/2 - 2 IN (50 - 63 MM)	2 1/2 - 8 IN (75 - 200 MM)	10 - 15 IN (250 - 380 MM)	15+ IN (380+ MM)
60° - 100° F (16° - 38° C)		2 MINS	5 MINS	30 MINS	2 HRS	4 HRS
40° - 60° F (5° - 16° C)		5 MINS	10 MINS	2 HRS	8 HRS	16 HRS
0° - 40° F (-18° - 5° C)		10 MINS	15 MINS	12 HRS	24 HRS	48 HRS

Note: Initial set schedule is the necessary time to allow before the joint can be carefully handled. In damp or humid weather allow 50% more set time.

Solvent Cement Cure Time

Average Joint Cure Schedule For Weld-On® PVC/CPVC Solvent Cements**

RELATIVE HUMIDITY 60% OR LESS	MAX PIPE SIZE	1/2 - 1 1/4 IN (20 - 40 MM)	1 1/2 - 2 IN (50 - 63 MM)	2 1/2 - 8 IN (75 - 200 MM)	10 - 15 IN (250 - 380 MM)	15+ IN (380+ MM)
Temperature range during assembly and cure periods		up to 160 psi/ 11 Bar	160 to 370 psi/ 11 to 26 Bar	up to 160 psi/ 11 Bar	160 to 315 psi/ 11 to 22 Bar	up to 160 psi/ 11 Bar
60° - 100° F (16° - 38° C)		15 MIN	6 HRS	30 MIN	12 HRS	1 1/2 HRS
40° - 60° F (5° - 16° C)		20 MIN	12 HRS	45 MIN	24 HRS	4 HRS
0° - 40° F (-18° - 5° C)		30 MIN	48 HRS	1 HRS	96 HRS	72 HRS

Note: Joint cure schedule is the necessary time to allow before pressurizing system. In damp or humid weather allow 50% more cure time.

**These figures are estimates based on testing done under laboratory conditions. Field working conditions can vary significantly. This chart should be used as a reference only.

Average Number of Joints/Quart of Weld-On® Cement

Pipe Diameters	1/2" or 20mm	3/4" or 25mm	1" or 32mm	1 1/2" or 50mm	2" or 63mm	3" or 90mm	4" or 110mm	6" or 160mm	8" or 200mm	10" or 250mm	12" or 315mm	15" or 380mm	18" or 450mm
Number of Joints per Quart (1kg)	300	200	125	90	60	40	30	10	5	2-3	1-2	3/4	1/2

Note (for Primer): Double the number of joints shown for cement.

*These figures are estimates based on testing done under laboratory conditions. Field working conditions can vary significantly. This chart should be used as a reference only.

Pipe Size Equivalent Chart - Inches/Millimeters

IN.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"	18"	24"	30"
MM.	20	25	32	40	50	63	75	90	110	160	200	250	315	355	450	600	800

Product Shelf Life

Primers/Cleaners	3 Years
PVC Solvent Cements	3-4 Years
CPVC Solvent Cements	2-3.5 Years
ABS Solvent Cements	3 Years

Refer to individual product for shelf-life detail.

Volume Equivalence

US UNIT	METRIC UNIT
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Applicators (Daubers, Rollers & Swabs) for Solvent Cementing

SuperSwab™ Patent No. 8747004	3020 Roller Product #10007	6020 Roller Product #11957
► A sturdy easy-to-grip 4" swab for pipe diameters 4"-8". ► The swab tip is disposable and swab handle is reusable. ► Adjustable length and dual cap fits quart and gallon containers.	► Roll-A-Weld 3" roller for pipe diameters from 3" through 6". ► Fits MT-653 empty quart triple tight neck can.	► Roll-A-Weld 4" roller for pipe diameters from 3" through 8". ► Fits standard quart can as well as MT-651 empty quart can.
AVAILABLE OPTIONS ► Individual Pack (#14108) ► Bulk Pack Replacement (#14111) ► Swab Tip Bulk Pack (#14112)		
SuperDauber™ 3/4" (#10832) and 1 1/4" (#10833)	7020 Roller Product #10008	4020 Swab Product #10009
► Fully adjustable, telescopic stem fits quart, pint and 1/2 pint cans. ► Easy grip, ribbed handle allows better dauber control. ► Shed-resistant dauber material is better for smooth, full application of cement or primer.	► Jumbo Roll-A-Weld 7" roller for pipe diameters of 6" or larger. ► Fits MT-648 empty gallon can and cements available in wide mouth cans.	► 4" swab for pipe diameters of 6" or larger. ► Fits MT-648 empty gallon can and cements available in wide mouth cans.
		
Cap Daubers	5020 Swab Product #12071	8020 Swab Product #13360
► DH Daubers fit 1/4 pint & 1/2 pint cans. ► DP daubers fit 1/2 pint & pint cans. ► DQ daubers fit quart cans. ► Available in 3/8", 1/2", 3/4", and 1 1/2" dauber sizes.	► 4" swab for pipe diameters from 3" through 8". ► Fits standard quart can as well as MT-651 empty quart can.	► 4" cotton swab with wire handle for use on pipe diameter 6" or larger. ► Fits standard quart cans and MT-651 empty quart cans.
AVAILABLE SIZES ► DH-38 (#13199) ► DQ-150 (#10006) ► DH-75 (#10004) ► DP-50 (#10003) ► DQ-50 (#11831) ► DP-150 (#10005) ► DQ-75 (#12429)		
PB-1 Brush Product (#12121)		
► Plastic handle brush fits standard pint and quart cans.		

APPLICATOR SELECTION GUIDE

See the following charts for applicator recommendations for your pipe size.

Weld-On solvent cements are packaged with can-lid daubers:

- 3/4" dauber on quarter pint and half pint cans
- 1 1/2" dauber on pint and quart cans

PIPE DIAMETER	1/4"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
3/8" Dauber	●	●	●				
1/2" Dauber			●	●			
3/4" Dauber					●	●	
1 1/2" Dauber							●

For proper solvent welding of pipe and fittings, the cement applicator must be no less than half the size of the pipe.

Accessories for Solvent Cementing

Empty Metal Cans	CanTote™ Carrier
AVAILABLE SIZES ► MT-648 (#10010) Gallon can with 27/8" neck ► MT-651 (#10012) Quart can with 1 1/4" neck ► MT-653 (#10014) Quart can with triple tight neck (paint style) ► MT-654 (#10015) Pint can with 1 1/4" neck Caps not available for sale. Daubers sold separately.	► For carrying quart and pint cans. 6 Pack (#14147) 24 Pack (#12891)
	
Mechanical Pipe Puller	
Easy Twist™ Can Opener	► Ergonomically designed to easily open the can without damaging the cap. ► When closing the can, the Easy Twist™ helps tighten and seal the cap; preventing solvent cements or primers from drying out.
	8 Pack (#14550)
	
Christy's® SEE MORE ACCESSORIES FROM OUR AFFILIATE BRAND AT WWW.TCHRISTY.COM	
SPECIALTY PRODUCTS	
Joint Compounds	
Thread Seal Tape	Soft Seal Plumber Putty
► Available in various colors, widths and lengths. ► Complies with MIL-T-27730A specs. ► Contains PTFE.	► Set and seal plumbing fixtures and drains. Will not harden, crack or crumble. ► Lead-free, non-corrosive and stainless. ► 100% water-proof. ► Complies with Federal Spec. TT-P-1536A.
AVAILABLE SIZES ► 3/4" x 260" White (#87755) ► 1" x 520" White (#87720) ► 1/2" x 260" Pink Extra Duty (#80325) ► 1/2" x 260" Yellow Gas Line (#80320)	AVAILABLE SIZES ► 14 Oz. (#80100) ► 3 Lb. (#80103)
	
Pipe Repair Wrap	Pipe Repair Wrap
► Silicone self-fusing pipe repair wrap for plastic pipe, metal pipe, hoses and more ► Waterproof tape stops leaks in seconds ► Bonds to itself in less than one minute	25.4mm x 5m, 20mil Black (#16312), Clear (#16445) ► Applies to wet, dirty or oily surfaces ► 500°F (260°C) heat resistant ► Up to 450 PSI (31 Bar) for 1/8" pinhole leak and up to 100 PSI (7 Bar) for 1" long cut or crack
Epoxy Putty Stick 4 Oz (#84055)	Pipe Stick Joint Compound 1.3 Oz (#81255)
► Quick hardening sealant/adhesive. ► Plugs, seals, patches or repairs most materials.	► Hardens in 20 minutes and cures in 1 hour. ► Excellent for underwater repairs.
	

SPECIALTY PRODUCTS

Repair & Fabrication Adhesives

810™ (A & B) Kit

- Thick, syrupy, two-component, high strength reactive adhesive.
- Able to withstand very high pressures and highly impact-resistant.
- Excellent gap-filling properties, great for repairing cracks or leaky pipe valves and fittings.
- Ideal for fabricating fittings and joining saddles to pipe. Good for bonding large diameter PVC and CPVC pipe and fittings.

APPLICABLE FOR USE WITH

- PVC
- CPVC
- ABS
- Styrene
- Clay
- Concrete
- Acrylic
- FRP (fiberglass-reinforced polyester)

SET TIME
1 Hour

SHELF LIFE
1 Year

AVAILABLE SIZES

- Gallon (#10810)
- Quart (#10811)
- Pint (#10812)
- 4 Oz (#10813)

VISCOSITY
30,000 CPS



811™ SAME FORMULA AS 810, DIFFERENT PACKAGING FORMAT

- Thick, syrupy, two-component, high strength reactive adhesive.
- Able to withstand very high pressures and highly impact-resistant.
- Excellent gap-filling properties, great for repairing cracks or leaky pipe valves and fittings.
- Ideal for fabricating fittings and joining saddles to pipe. Good for bonding large diameter PVC and CPVC pipe and fittings.
- Packaged in a dual cylinder cartridge for easy dispensing and application

APPLICABLE FOR USE WITH

- PVC
- CPVC
- ABS
- Clay
- Styrene

SET TIME
1 Hour

SHELF LIFE
1 Year

AVAILABLE SIZES

- 470ml (#10985)

VISCOSITY
40,000 CPS



845™

- Highly viscous, two-component, high strength, reactive adhesive.
- Product can withstand very high pressure and large temperature range (-30°F/-35°C to 140°F/60°C).
- Impact resistant and can be used in wet conditions.
- Ideal for fabricating fittings and joining saddles to pipe. Good for bonding large diameter PVC and CPVC pipe and fittings.
- Excellent gap-filling properties.
- Packaged in a dual cylinder cartridge for easy dispensing and application.

APPLICABLE FOR USE WITH

- PVC
- CPVC
- ABS
- Clay
- Styrene

SET TIME
30 Minutes

SHELF LIFE
1 Year

AVAILABLE SIZES

- 400ml (#12759)
- 43mL (#12709 12-pack)
- 43mL Starter Kit (#12711)

VISCOSITY
400,000 CPS



811™ Dispensing Gun & Mixing Tips

- Manual or pneumatic dispensing gun for convenient application of Weld-On 811 high strength adhesive.
- Straight mixing tip provides even blending of the two adhesive components prior to application.



AVAILABLE SIZES

- Manual gun (#14150)
- Mixing tip (#14080)

845™ Dispensing Gun & Mixing Tips

- Manual or pneumatic dispensing gun for convenient application of Weld-On 845 high strength adhesive.
- Straight mixing tip provides even blending of the two adhesive components prior to application.



AVAILABLE SIZES

- 400mL: Manual gun (#14152)
- Mixing tip (#14040)
- 43mL: Manual gun (#12471)
- Mixing tip (#14077)

SPECIALTY PRODUCTS

Cutting Oils

Weld-On offers two types of cutting oil for use on metal pipe threading, cutting and other machines.

Light Cutting Oil

- For light duty manual or low rpm threading machines as well as for drilling, reaming and rolling machines using ferrous and non-ferrous metals.



AVAILABLE SIZES

- Gallon (#80425)
- Quart (#80424)

Dark Cutting Oil

- High-grade oil blend for medium to heavy duty cutting, threading, drilling, reaming and rolling machines using ferrous and non-ferrous metals.



AVAILABLE SIZES

- Gallon (#80421)
- Quart (#80420)

SPECIALTY PRODUCTS

Pipe Thread Sealants

White Seal™ Plus

MULTI-PURPOSE SEALANT WITH PTFE

- Contains finely homogenized PTFE particles for filling cracks and thread imperfections, ensuring a leak-proof seal.
- Non-setting formula allows easy disassembly of joints without pipe damage, fittings or threads.
- Protects threaded areas from rust/corrosion and prevents galling.
- For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene, & Nylon) piping systems carrying various materials.¹
- Tested and approved for the FBC System compatible program for use with FlowGuard Gold®, BlazeMaster®, and Corzan® CPVC plastic piping systems.
- No VOC content.

PRESSURE RATING (PSI)
• Liquids: 10,000
• Gases: 3,000

TEMPERATURE RANGE
-50°F to 455°F

INDUSTRY LISTING



Blue Seal™

INDUSTRIAL GRADE SEALANT

- Heavy duty, grit-free formula. Excellent for industrial applications and pipe lines in high vibration environments.
- Contains finely homogenized PTFE particles for filling cracks and thread imperfections—ensuring a leak-proof seal.
- For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene & Nylon) piping systems carrying various materials.¹
- Tested and approved for the FBC System compatible program for use with FlowGuard Gold®, BlazeMaster®, and Corzan® CPVC plastic piping systems.
- No VOC content.

PRESSURE RATING (PSI)
• Liquids: 10,000
• Gases: 3,000

TEMPERATURE RANGE
-50°F to 455°F

INDUSTRY LISTING



All Seal™

MULTI-PURPOSE SEALANT

- Slow drying, soft-setting formula allows time to work with pipe joints. Easy for disassembly.
- Creamy, non-separating consistency provides excellent thread coverage.
- Grit-free to provide leak-proof seal on pipe threads.
- For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene, & Nylon) piping systems carrying various materials.¹
- Very low VOC content: 152 g/L.

PRESSURE RATING (PSI)
• Liquids: 6,000
• Gases: 3,000

TEMPERATURE RANGE
-50°F to 455°F

INDUSTRY LISTING



505 Key Tite™

METAL PIPE SEALANT

- Special formulation seals and lubricates metal pipe joints as well as protects them from rusting and seizing.
- Applicable for all types of metal joints (threaded, flanged or gasketed).
- For sealing and lubricating all metal piping systems carrying various materials.

PRESSURE RATING (PSI)
Dependent on pressure rating of the piping systems

TEMPERATURE RANGE
-50°F to 450°F

AVAILABLE SIZES

- Pint (#10064)
- ½ Pint (#10068)



¹All Seal, Blue Seal, and White Seal can be used on metal and plastic piping systems carrying: air & gases (compressed, manufactured or natural), ammonia, brine, acid (diluted), caustic alkalis (diluted), corrosives, freons, fuel (diesel, gasoline, jet fuel, and kerosene), oils, petroleum, propane, solvents, steam, sugar, and water. Not recommended for oxygen, fluorine, or liquid sodium systems.

SPECIALTY PRODUCTS

Joint Lubricants

Our joint lubricants are non-toxic, non-corrosive and can be easily washed out of piping systems.

INDUSTRY LISTING





Our California facility takes pride in limiting volatile organic compound (VOC) emissions into the environment. Two regenerative thermo oxidizers are utilized to eliminate 99% of the VOC from our ventilation system before emitting air to the atmosphere.



Our laboratory is equipped with state-of-the-art equipment to ensure that our formulations and product performance meet the most stringent testing standards.



Advanced automated filling and packaging lines of Weld-On products ensure fast, efficient and accurate completion of product orders.



SCAQMD Rule 1168 Max VOC Content (gram/liter)	
Primer	550
PVC Solvent Cement	425
CPVC Solvent Cement	400
ABS Solvent Cement	325

ULTRA LOW VOC

ECO™ Series: Your Responsible Choice

- ▶ Safer, low fume formula for installers
- ▶ Strongest bond exceeds 1,000 hour hydro-pressure test
- ▶ Meets the most stringent codes and regulations



The ECO Series is formulated differently from other solvent cements on the market. Our proprietary compounds are chemically unique and work to achieve greater bond strength in plastic pipe joints.

Laboratory tests per ASTM D2564 standard specification for PVC plastic piping systems showed that the ECO Series high-strength performance is comparable to top quality solvent cements on the market.

ULTRA LOW VOC

We significantly reduced the VOC content of the ECO Series to less than 414 grams/liter, with some products as low as 361 grams/liter. The ultra low VOC content meets the 2023 SCAQMD Rule 1168 VOC limit.

BREATHE EASIER

An independent, certified industrial hygienist conducted a study of enclosed workplace exposure to different solvent cements. The result showed that the **ECO Series has 30% less solvent emissions** and significantly reduced odorous fumes versus other leading products in the market.

ECO™ PRODUCTS

ECO products are named just like other Weld-On solvent cements for PVC and CPVC piping systems 2" to 12" and has "ECO" behind the name.



▶ WELDON.COM



THE WORLD'S MOST TRUSTED BOND



Choosing the most critical materials for the biggest projects in the world requires trust.

That's why the leading architects, planners, engineers, contractors and installers around the globe choose Weld-On.

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