

# WELD-ON®



## 2019 PRODUCT GUIDE



Weld-On led the industry by offering only low VOC products in 2009.

With the introduction of the ECO™ Series,  
Weld-On sets a new industry standard  
meeting tomorrow's regulations today.  
**MAXIMUM STRENGTH. ULTRA LOW VOC.**







## INTRODUCING

# ECO™ Series

your responsible choice

### MAXIMUM STRENGTH

Weld-On's ECO Series of PVC solvent cement is formulated differently from other solvent cements on the market. The proprietary compounds in the ECO solvent cements are chemically unique, work differently to achieve greater bond strength in plastic pipe joints and do not use large amounts of strong solvents in the process.

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

### ULTRA LOW VOC

With minimal use of strong solvents, the VOC content of the ECO Series was significantly reduced to less than 414 grams / liter and some products as low as 361 grams / liter. The ultra low VOC content meets the current SCAQMD Rule 1168 VOC limit.

More importantly, it also meets the more stringent SCAQMD VOC limit (<425 grams/liter) set to be effective in 2023. Weld-On is proud to be the first in the industry to meet tomorrow's regulation today.

### 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 leading products in the market. Now you and your crew can breathe a little easier while you work.





## NOW AVAILABLE

We keep it simple. The ECO Series is named just like the current Weld-On PVC solvent cements for PVC piping systems 2" to 12" and has an "ECO" behind the name.

Choose your favorite product from the following:

### IRRIGATION & INDUSTRIAL

- ✓ **700ECO**      ✓ **721ECO**
- ✓ **705ECO**      ✓ **750ECO HOTWELD**
- ✓ **711ECO**      ✓ **ECO Primer**
- ✓ **717ECO**

### POOL & SPA

- ✓ **740ECO** Pool Regular      ✓ **748ECO** Pool Fast
- ✓ **744ECO** Pool Medium      ✓ **ECO Pool Primer**
- ✓ **746ECO** Pool Heavy



## WELD-ON® SELECTION GUIDES

Choose the correct Weld-On products for your application based on the pipe diameter and material (PVC, CPVC, or ABS) being used. Refer to the following chart to find the product description on subsequent pages for further details.

NOMINAL PIPE SIZE		NOMINAL PIPE SIZE																		
		in	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8	10	12	14	24	30		
		mm	20	25	32	40	50	63	75	90	110	160	200	250	315	355	600	800		
<b>PVC CEMENTS</b>	REGULAR BODY	CLEAR	700ECO™																ECO	
		CLEAR	700																	
		CLEAR	702																	
		CLEAR	710																	
	MEDIUM BODY	CLEAR	704 <sup>1</sup>																	
		GRAY	705ECO™																ECO	
		CLEAR	705 <sup>1</sup>																INDUSTRIAL GRADE	
		GRAY	721ECO™ <sup>1</sup>																ECO	
		BLUE	721 <sup>1</sup>																	
		GRAY	711ECO™																ECO	
	HEAVY BODY	GRAY	711																INDUSTRIAL GRADE	
		CLEAR	717ECO™																ECO	
		GRAY	717																	
		GRAY	719																INDUSTRIAL GRADE	
	EXTRA HEAVY BODY	GRAY	719																INDUSTRIAL GRADE	
		WHITE	719																INDUSTRIAL GRADE	
		AQUA BLUE	725 <sup>1</sup> WET FLOW™																	
		CLEAR	727 <sup>1</sup> HOT TO COLD™																	
		BLUE to CLEAR	737 <sup>1</sup> TURF 'N AG™																	
		CLEAR	750ECO™ <sup>1</sup> HOTWELD																ECO	
BLUE		750™ <sup>1</sup> HOTWELD																		
SPECIALTY CEMENTS	CLEAR	795																		
	BLUE	795																		
	BLUE	795																		
<b>POOL &amp; SPA CEMENTS</b>	REGULAR BODY	CLEAR	740ECO™ POOL REGULAR																ECO	
		CLEAR	740 POOL REGULAR																	
	MEDIUM BODY	CLEAR	744ECO™ POOL MEDIUM																ECO	
		GRAY	744 POOL MEDIUM																	
	HEAVY BODY	CLEAR	746ECO™ POOL HEAVY																ECO	
		GRAY	746 POOL HEAVY																	
	SPECIALTY PRODUCTS	BLUE to CLEAR	747 POOL 'N SPA™																	
		BLUE to CLEAR	748ECO™ POOL FAST™																ECO	
		BLUE to CLEAR	748 POOL FAST™																	
		BLUE to CLEAR	748 POOL FAST™																	
	<b>PLUMBING CEMENTS</b>	REGULAR BODY	CLEAR	780 PLUMBING REGULAR																
		MEDIUM BODY	CLEAR	781 PLUMBING MEDIUM																
HEAVY BODY		CLEAR	782 PLUMBING HEAVY																	
NOMINAL PIPE SIZE		in	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8	10	12	14	24	30		
		mm	20	25	32	40	50	63	75	90	110	160	200	250	315	355	600	800		



**ECO SERIES**



**ALL WELD-ON PRODUCTS**

**REGULAR BODIED CEMENT**



for pipe size up to 4"

**MEDIUM BODIED CEMENT**



for pipe size up to 6"

**HEAVY BODIED CEMENT**



for pipe size up to 12"

**EXTRA HEAVY BODIED CEMENT**



for pipe size up to 30"



NOMINAL PIPE SIZE			in																	
			1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8	10	12	14	24	30		
NOMINAL PIPE SIZE			mm																	
			20	25	32	40	50	63	75	90	110	160	200	250	315	365	600	800		
WELD-ON ADDITIONAL PRODUCTS	CPVC CEMENTS	REGULAR BODY	ORANGE	713	CTS ONLY															
		MEDIUM BODY	YELLOW	FlowGuard <sup>™</sup> GOLD	CTS ONLY															
		HEAVY BODY	ORANGE	714	[Bar chart showing availability for sizes 10, 12, 14, 24, 30]															
			GRAY		[Bar chart showing availability for sizes 10, 12, 14, 24, 30]															
		HEAVY BODY	ORANGE	724 <sup>†</sup>	INDUSTRIAL GRADE															
			GRAY		[Bar chart showing availability for sizes 10, 12, 14, 24, 30]															
		EXTRA HEAVY BODY	GRAY	729	INDUSTRIAL GRADE															
					[Bar chart showing availability for sizes 10, 12, 14, 24, 30]															
					[Bar chart showing availability for sizes 10, 12, 14, 24, 30]															
					[Bar chart showing availability for sizes 10, 12, 14, 24, 30]															
ABS	MEDIUM BODY	MILKY	771	ALL CLASSES & SCHEDULES																
		YELLOW		[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
	MEDIUM BODY	BLACK	773	ALL CLASSES & SCHEDULES																
SPECIALTY	MEDIUM BODY	LIGHT AMBER	790 <sup>†</sup>	[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
	MEDIUM BODY	GREEN	794 <sup>**</sup>	ALL CLASSES & SCHEDULES EXCEPT SCHEDULE 80																
PRIMERS & CLEANERS	PURPLE	ECO PRIMER		[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
	CLEAR			[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
	PURPLE	P68		[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
	CLEAR			[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
	PURPLE	P70		INDUSTRIAL GRADE																
	CLEAR			[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
	AQUA BLUE	P75		[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
	CLEAR			[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
	PURPLE	ECO POOL PRIMER		[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
	CLEAR			[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																
PURPLE	PLUMBING PRIMER		[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																	
CLEAR			[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																	
PURPLE	PC-64 Primer-Conditioner		[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																	
CLEAR			[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																	
PURPLE	C-65 Cleaners		[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																	
CLEAR			[Bar chart showing availability for sizes 10, 12, 14, 24, 30]																	

### PIPE FORMAT

- Schedule 40/PN3.2, PN4, PN6
- Schedule 80/PN10, PN16

<sup>†</sup> Can be used without a primer on non-pressure systems with fittings having an interference fit (unless primer required by local code).

<sup>‡</sup> For CPVC and PVC Chemical Piping Systems

<sup>§</sup> FlowGuard Gold<sup>®</sup> is a registered trademark of the Lubrizol Corp.

<sup>\*</sup> PVC and CPVC

<sup>\*\*</sup> ABS to PVC Transition Joints

CTS Copper Tube Size



PVC SOLVENT CEMENTS		Max Pipe Size (Interference Fit)	Set Time	Available Color	Industry Listing	Meets Following Performance Specification
Regular Bodied	<b>700ECO™ PVC</b> <div style="float: right; border: 1px solid black; padding: 2px;"><b>ECO™</b></div> <ul style="list-style-type: none"> <li>Maximum strength. Ultra low VOC. Reduced odorous fumes for improved workplace environment.</li> <li>Excellent for irrigation, electrical conduit, pool &amp; spa and plumbing, including PVC foam core pipe.</li> </ul>	4" (110 mm) PVC Not for Schedule 80	Fast	CLEAR	NSF PW-G/DWV/SW U.P. CODE	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
	<b>AVAILABLE SIZES</b>	Gallon (#14800), Quart (#14801), Pint (#14802), ½ Pint (#14803), ¼ Pint (#14804)				
	<b>700™ PVC</b> <ul style="list-style-type: none"> <li>Excellent for irrigation, electrical conduit, pool &amp; spa and plumbing, including PVC foam core pipe.</li> </ul>	4" (110 mm) PVC Not for Schedule 80	Fast	CLEAR	UPC NSF PW-G/DWV/SW	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
	<b>AVAILABLE SIZES</b>	Gallon (#10078), Quart (#10079), Pint (#10080), ½ Pint (#10081), ¼ Pint (#10082)				
	<b>702™ PVC</b> <ul style="list-style-type: none"> <li>Excellent for DWV, irrigation, electrical conduit, pool &amp; spa and plumbing, including PVC foam core pipe.</li> </ul>	4" (110 mm) PVC Not for Schedule 80	Fast	CLEAR	UPC NSF PW-G/DWV/SW	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b>	Gallon (#10974), Quart (#10975), Pint (#10976), ½ Pint (#10977), ¼ Pint (#10978)					
Medium Bodied	<b>710™ PVC</b> <ul style="list-style-type: none"> <li>Specially formulated for irrigation piping. Suitable for electrical conduit, pool &amp; spa and plumbing, including PVC foam core pipe.</li> </ul>	2" (63 mm) PVC Not for Schedule 80	Very Fast	CLEAR	UPC NSF PW-G/DWV/SW	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
	<b>AVAILABLE SIZES</b>	Gallon (#10111), Quart (#10112), Pint (#10113), ½ Pint (#10114), ¼ Pint (#10115)				
	<b>704™ PVC</b> <ul style="list-style-type: none"> <li>Quality formulation for irrigation, electrical conduit, pool &amp; spa and plumbing, including PVC foam core pipe.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>	6" (160 mm) PVC 4" (110 mm) Schedule 80 PVC	Fast	CLEAR GRAY	UPC NSF PW-G/DWV/SW NSF C US PW-G/DWV/SW (Gray Only)	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B137.3 CSA B181.2
	<b>AVAILABLE SIZES</b>	CLEAR: Gallon (#12122), Quart (#12123), Pint (#12124), ½ Pint (#12125), ¼ Pint (#12126) GRAY: Gallon (#12127), Quart (#12128), Pint (#12129), ½ Pint (#12130), ¼ Pint (#12131)				
	<b>705ECO™ PVC</b> <div style="float: right; border: 1px solid black; padding: 2px;"><b>ECO™</b></div> <ul style="list-style-type: none"> <li>Maximum strength. Ultra low VOC. Reduced odorous fumes for improved workplace environment.</li> <li>For industrial, irrigation, DWV, electrical conduit, pool &amp; spa and plumbing, including PVC foam core pipe.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>	6" (160 mm) PVC 4" (110 mm) Schedule 80 PVC	Fast	CLEAR GRAY	NSF PW-G/DWV/SW U.P. CODE NSF C US PW-G/DWV/SW (Gray Only)	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B137.3 CSA B181.2
<b>AVAILABLE SIZES</b>	CLEAR: Gallon (#14805), Quart (#14806), Pint (#14807), ½ Pint (#14808), ¼ Pint (#14809) GRAY: Gallon (#14810), Quart (#14811), Pint (#14812), ½ Pint (#14813), ¼ Pint (#14814)					
<b>705™ PVC</b> <div style="float: right; border: 1px solid black; padding: 2px;"><b>INDUSTRIAL GRADE</b></div> <ul style="list-style-type: none"> <li>High-strength formula for industrial, irrigation, DWV, electrical conduit, pool &amp; spa and plumbing, including PVC foam core pipe.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>	6" (160 mm) PVC 4" (110 mm) Schedule 80 PVC	Fast	CLEAR GRAY	UPC NSF PW-G/DWV/SW NSF C US PW-G/DWV/SW (Gray Only) SP	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B137.3 CSA B181.2	
<b>AVAILABLE SIZES</b>	CLEAR: Gallon (#10085), Quart (#10089), Pint (#10093), ½ Pint (#10097), ¼ Pint (#10100) GRAY: Gallon (#10086), Quart (#10090), Pint (#10094), ½ Pint (#10098), ¼ Pint (#10101)					
Regular Bodied	<b>721ECO™ PVC</b> <div style="float: right; border: 1px solid black; padding: 2px;"><b>ECO™</b></div> <ul style="list-style-type: none"> <li>Maximum strength. Ultra low VOC. Reduced odorous fumes for improved workplace environment.</li> <li>Premium, high-strength formulation for irrigation, DWV, pool &amp; spa and plumbing.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>	6" (160 mm) PVC 4" (110 mm) Schedule 80 PVC	Fast	BLUE	NSF PW-G/DWV/SW U.P. CODE	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
	<b>AVAILABLE SIZES</b>	Gallon (#14927), Quart (#14928), Pint (#14929), ½ Pint (#14930), ¼ Pint (#14931)				





## PVC SOLVENT CEMENTS

	Max Pipe Size (Interference Fit)	Set Time	Available Color	Industry Listing	Meets Following Performance Specification
 <b>721™ PVC</b> • Premium, high-strength formulation for irrigation, DWV, pool & spa and plumbing. • Can be used without primer on non-pressure systems if local codes permit.	• 6" (160 mm) PVC • 4" (110 mm) Schedule 80 PVC	Fast	BLUE	  PW-G/DWV/SW	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61

**AVAILABLE SIZES**      Gallon (#10160), Quart (#10161), Pint (#10162), ½ Pint (#10163), ¼ Pint (#10849)

 <b>711ECO™ PVC</b> • Maximum strength. Ultra low VOC. 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.	 • 12" (315 mm) PVC all classes & schedules	Medium	GRAY	 PW-G/DWV/SW U.P. CODE	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B137.3 CSA B181.2
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**AVAILABLE SIZES**      Gallon (#14834), Quart (#14835), Pint (#14836), ½ Pint (#14837)

 <b>711™ PVC</b> <b>INDUSTRIAL GRADE</b> • High-strength formula for large diameter pressure piping systems. • Good gap filling properties. • Medium set allows for more working time in warm weather.	• 12" (315 mm) PVC all classes & schedules	Medium	GRAY	  PW-G/DWV/SW 	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B137.3 CSA B181.2
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**AVAILABLE SIZES**      Gallon (#10117), Quart (#10119), Pint (#10121), ½ Pint (#10123)

 <b>717ECO™ PVC</b> • Maximum strength. Ultra low VOC. 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.	 • 12" (315 mm) PVC all classes & schedules	Medium	CLEAR GRAY	 PW-G/DWV/SW U.P. CODE  PW-G/DWV/SW (Gray Only)	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B137.3 CSA B181.2
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**AVAILABLE SIZES**      CLEAR: Gallon (#14825), Quart (#14826), Pint (#14827), ½ Pint (#14828), ¼ Pint (#14829)  
 GRAY: Gallon (#14830), Quart (#14831), Pint (#14832), ½ Pint (#14833)




 <b>717™ PVC</b> • 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.	• 12" (315 mm) PVC all classes & schedules	Medium	CLEAR GRAY	  PW-G/DWV/SW  PW-G/DWV/SW (Gray Only)	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B137.3 CSA B181.2
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**AVAILABLE SIZES**      CLEAR: Gallon (#10141), Quart (#10144), Pint (#10147), ½ Pint (#10150), ¼ Pint (#10851)  
 GRAY: Gallon (#10142), Quart (#10145), Pint (#10148), ½ Pint (#10151)

 <b>719™ PVC</b> <b>INDUSTRIAL GRADE</b> • 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.	• 30" (800 mm) PVC all classes & schedules	Slow	WHITE GRAY	  PW-G/DWV/SW  PW-G/DWV/SW (Gray Only)	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B137.3 CSA B181.2
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**AVAILABLE SIZES**      WHITE: Gallon (#10155), Quart (#10157), Pint (#10159), 10.3 Oz (#12658)  
 GRAY: Gallon (#13078), Quart (#10156)




## PVC SPECIALTY SOLVENT CEMENTS

 <b>725™ WET 'R DRY™</b> • 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.	• 6" (160 mm) PVC • 4" (110 mm) Schedule 80 PVC	Extremely Fast	AQUA BLUE	  PW-G/DWV/SW	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
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**AVAILABLE SIZES**      Gallon (#10164), Quart (#10165), Pint (#10166), ½ Pint (#10167), ¼ Pint (#10850)

 <b>727™ HOT 'R COLD™</b> • Premium formula for all weather conditions (-15°F to 110°F / -26°C to 43°C). • Excellent for industrial, 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.	• 6" (160 mm) PVC • 4" (110 mm) Schedule 80 PVC	Very Fast	CLEAR	  PW-G/DWV/SW	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
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**AVAILABLE SIZES**      Gallon (#10840), Quart (#10841), Pint (#10842)

 <b>737™ TURF 'N AG™</b> • This high quality blue cement has a slightly higher viscosity making it ideal for turf and agricultural applications and excellent for 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.	• 8" (200 mm) PVC • 4" (110 mm) Schedule 80 PVC	Very fast	BLUE to CLEAR	  PW-G/DWV/SW	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
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**AVAILABLE SIZES**      Gallon (#10988), Quart (#10989), Pint (#10990), ½ Pint (#11984), ¼ Pint (#11985)

Heavy Bodied

Extra Heavy Bodied

Medium Bodied









ABS SOLVENT CEMENTS		Max Pipe Size (Interference Fit)	Set Time	Available Color	Industry Listing	Meets Following Performance Specification
<b>771™ ABS</b> • For plumbing applications (DWW, sewer & drain pipe), conduit and foam core.	• 8" (200 mm) ABS	Fast	MILKY YELLOW	UPC Milky Only NSF DWW/SW NSF DWW/SW (Below Only)	ASTM D 2235 NSF/ANSI 14 CSA B181.1	
	<b>AVAILABLE SIZES</b> MILKY: Gallon (#10230), Quart (#10232), Pint (#10233) YELLOW: Gallon (#10965), Quart (#10966), Pint (#10967), ½ Pint (#10968), ¼ Pint (#10969) - Canada Only					
<b>773™ ABS</b> • For plumbing applications (DWW, sewer & drain pipe), conduit and foam core.	• 8" (200 mm) ABS	Fast	BLACK	UPC NSF DWW/SW	ASTM D 2235 NSF/ANSI 14	
	<b>AVAILABLE SIZES</b> Gallon (#10241), Quart (#10243), Pint (#10244), ½ Pint (#10245), ¼ Pint (#10246)					
TRANSITION & SPECIALTY SOLVENT CEMENTS						
<b>790™ MULTI-PURPOSE</b> • High-strength multi-purpose cement for PVC and CPVC pipe and fittings.	• 6" (160 mm) • 4" (110 mm) Schedule 80	Fast	LIGHT AMBER	—	—	
	<b>AVAILABLE SIZES</b> Gallon (#11248), Quart (#10257), Pint (#10258), ½ Pint (#10259), ¼ Pint (#10260)					
<b>794™ ABS - PVC</b> • For use only on ABS to PVC transition joints in non-pressure systems. • Suitable for sewer, DWW and conduit.	• 6" (160 mm) Not for Schedule 80	Fast	GREEN	UPC NSF DWW/SW	ASTM D 3138	
	<b>AVAILABLE SIZES</b> Gallon (#10272), Quart (#10273), Pint (#10274), ½ Pint (#10275), ¼ Pint (#13369)					

Medium Bodied

Medium Bodied

## COMMITMENT TO PRODUCT EXCELLENCE IN EVERY CAN

Weld-On is committed to developing top quality products for joining plastic piping systems.

Each Weld-On can is a result of:

**Comprehensive R&D analysis** to determine the optimal formulations for production.



**Meticulous raw materials testing, sourcing and qualification** conducted by Weld-On's R&D, procurement and quality control team.

**Rigorous testing and certification per ASTM standards** Tests, including lap shear, hydrostatic burst, dissolution, resin content, viscosity, etc. are carried out by Weld-On and independent accreditation organizations such as CSA, NSF International and IAPMO.



**ISO 9001:2015 certified** production and quality management process.

**WELD-ON IS THE INDUSTRY LEADING, INNOVATIVE PLASTIC PIPE JOINING SOLUTIONS PROVIDER**



## PRIMERS & CLEANERS

		Available Color	Industry Listing	Meet Following Performance Specification
<b>ECO PRIMER</b> <ul style="list-style-type: none"> <li>Ultra low VOC. Reduced odorous fumes for improved workplace environment.</li> <li>Quality primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces.</li> </ul>		<p>CLEAR</p> <p>PURPLE</p>	<p>U.P. CODE (Purple only)</p>	ASTM F 656 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b>	PURPLE: Gallon (#14843), Quart (#14844), Pint (#14845), ½ Pint (#14846), ¼ Pint (#14847) CLEAR: Gallon (#14838), Quart (#14839), Pint (#14840), ½ Pint (#14841), ¼ Pint (#14842)			
<b>P-68™ PRIMER</b> <ul style="list-style-type: none"> <li>Quality primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces.</li> </ul>		<p>CLEAR</p> <p>PURPLE</p>	<p>Purple only PW-GDNV/SW</p>	ASTM F 656 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b>	PURPLE: Gallon (#10208), Quart (#10210), Pint (#10212), ½ Pint (#10214), ¼ Pint (#10216) CLEAR: Gallon (#10207), Quart (#10209), Pint (#10211), ½ Pint (#10213), ¼ Pint (#10215)			
<b>P-70™ PRIMER</b> <ul style="list-style-type: none"> <li>Premium Industrial strength primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces.</li> <li>Specially recommended for use on Schedule 80 (PN 10 and higher) and large size pipe.</li> <li>Excellent for cold weather applications.</li> </ul>	<b>INDUSTRIAL GRADE</b>	<p>CLEAR</p> <p>PURPLE</p>	<p>Purple only PW-GDNV/SW</p>	ASTM F 656 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b>	PURPLE: Gallon (#10221), Quart (#10223), Pint (#10225), ½ Pint (#10227), ¼ Pint (#10229) CLEAR: Gallon (#10220), Quart (#10222), Pint (#10224), ½ Pint (#10226), ¼ Pint (#10228)			
<b>P-75™ PRIMER</b> <ul style="list-style-type: none"> <li>Premium, fast acting, industrial strength primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces.</li> <li>Specially formulated for wet and/or quick set applications.</li> </ul>		<p>AQUA BLUE</p>	<p>PW-GDNV/SW</p>	ASTM F 656 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b>	Gallon (#10247), Quart (#10248), Pint (#10249), ½ Pint (#10250)			
<b>PC-64™ PRIMER/CONDITIONER</b> <ul style="list-style-type: none"> <li>For surface preparation of PVC and CPVC pipe and fittings before bonding with solvent cements.</li> </ul>		<p>CLEAR</p> <p>PURPLE</p>	-	-
<b>AVAILABLE SIZES</b>	PURPLE: Gallon (#10871), Quart (#10872), Pint (#10873), ½ Pint (#10874), ¼ Pint (#10875) CLEAR: Quart (#12656)			
<b>C-65™ CLEANER</b> <ul style="list-style-type: none"> <li>For removal of oil and grease from the surfaces of PVC, CPVC, ABS and STYRENE pipe and fittings for bonding.</li> <li>Recommended for use before priming of pipe and fittings.</li> </ul>		<p>CLEAR</p>	-	-
<b>AVAILABLE SIZES</b>	Gallon (#10200), Quart (#10201), Pint (#10202), ½ Pint (#10203), ¼ Pint (#10204)			

## PVC POOL & SPA SOLVENT CEMENTS

	Max Pipe Size (Interference Fit)	Set Time	Available Color	Industry Listing	Meets Following Performance Specification	
<b>740ECO™ POOL REGULAR</b> <ul style="list-style-type: none"> <li>Maximum strength. Ultra low VOC.</li> <li>Reduced odorous fumes for improved workplace environment.</li> <li>Regular bodied cement for pool &amp; spa applications.</li> </ul>		4" (110 mm) PVC	Fast	<p>CLEAR</p>	<p>PW-GDNV/SW U.P. CODE</p>	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b>	Gallon (#14848), Quart (#14849), Pint (#14850), ½ Pint (#14851)					
<b>740™ POOL REGULAR</b> <ul style="list-style-type: none"> <li>Regular bodied cement for pool &amp; spa applications.</li> </ul>		4" (110 mm) PVC	Fast	<p>CLEAR</p>	<p>PW-GDNV/SW</p>	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b>	Gallon (#13550), Quart (#13551), Pint (#13552), ½ Pint (#13553)					
<b>744ECO™ POOL MEDIUM</b> <ul style="list-style-type: none"> <li>Maximum strength. Ultra low VOC.</li> <li>Reduced odorous fumes for improved workplace environment.</li> <li>Medium bodied cement for pool &amp; spa applications.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>		6" (160 mm) PVC 4" (110 mm) Schedule 80 PVC	Fast	<p>CLEAR</p> <p>GRAY</p>	<p>PW-GDNV/SW U.P. CODE</p> <p>U.S. PW-GDNV/SW (Gray only)</p>	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B137.3 CSA B181.2
<b>AVAILABLE SIZES</b>	CLEAR: Gallon (#14853), Quart (#14854), Pint (#14855), ½ Pint (#14856) GRAY: Gallon (#14858), Quart (#14859), Pint (#14860), ½ Pint (#14861)					



## PVC POOL & SPA SOLVENT CEMENTS

	Max Pipe Size (Interference Fit)	Set Time	Available Color	Industry Listing	Meets Following Performance Specification
<p><b>744™ POOL MEDIUM</b></p> <ul style="list-style-type: none"> <li>Medium bodied cement for pool &amp; spa applications.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>	<ul style="list-style-type: none"> <li>6" (160 mm) PVC</li> <li>4" (110 mm) Schedule 80 PVC</li> </ul>	Fast	<p>CLEAR</p> <p>GRAY</p>	<p>PW-GDW/SW</p> <p>U.P. CODE PW-GDW/SW (Gray Only)</p>	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B137.3 CSA B181.2
<b>AVAILABLE SIZES</b> CLEAR: Gallon (#13554), Quart (#13555), Pint (#13556), ½ Pint (#13557) GRAY: Gallon (#13558), Quart (#13559), Pint (#13560), ½ Pint (#13561)					
<p><b>746ECO™ POOL HEAVY</b></p> <ul style="list-style-type: none"> <li>Maximum strength. Ultra low VOC. Reduced odorous fumes for improved workplace environment.</li> <li>Heavy bodied cement for pool &amp; spa applications.</li> </ul>	<ul style="list-style-type: none"> <li>12" (315 mm) PVC all classes &amp; schedules</li> </ul>	Medium	<p>CLEAR</p> <p>GRAY</p>	<p>PW-GDW/SW U.P. CODE</p> <p>U.P. CODE PW-GDW/SW (Gray Only)</p>	ASTM D 2564 CSA B137.3 CSA B181.2 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b> CLEAR: Gallon (#14862), Quart (#14863), Pint (#14864), ½ Pint (#14865) GRAY: Gallon (#14866), Quart (#14867), Pint (#14868), ½ Pint (#14869)					
<p><b>746™ POOL HEAVY</b></p> <ul style="list-style-type: none"> <li>Heavy bodied cement for pool &amp; spa applications.</li> </ul>	<ul style="list-style-type: none"> <li>12" (315 mm) PVC all classes &amp; schedules</li> </ul>	Medium	<p>CLEAR</p> <p>GRAY</p>	<p>PW-GDW/SW</p> <p>U.P. CODE PW-GDW/SW (Gray Only)</p>	ASTM D 2564 CSA B137.3 CSA B181.2 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b> CLEAR: Gallon (#13562), Quart (#13563), Pint (#13564), ½ Pint (#13565) GRAY: Gallon (#13566), Quart (#13567), Pint (#13568), ½ Pint (#13569)					
<p><b>747™ POOL 'R SPA™</b></p> <ul style="list-style-type: none"> <li>Medium bodied premium PVC cement specially formulated for pool &amp; spa applications.</li> <li>Ideal for wet or quick pressurization conditions.</li> <li>Blue cement fades to clear in sunlight for cleaner looking joints.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>	<ul style="list-style-type: none"> <li>6" (160 mm) PVC</li> <li>4" (110 mm) Schedule 80 PVC</li> </ul>	Extremely Fast	<p>BLUE TO CLEAR</p>	<p>PW-GDW/SW</p>	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61 CSA B45.10
<b>AVAILABLE SIZES</b> Gallon (#10851), Quart (#10852), Pint (#10853), ½ Pint (#10854), ¼ Pint (#10855)					
<p><b>748ECO™ POOL FAST™</b></p> <ul style="list-style-type: none"> <li>Maximum strength. Ultra low VOC. Reduced odorous fumes for improved workplace environment.</li> <li>Specially formulated for pool maintenance and repair.</li> <li>For wet or quick pressurization conditions.</li> <li>Blue cement fades to clear in sunlight for cleaner looking joints.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>	<ul style="list-style-type: none"> <li>6" (160 mm) PVC</li> <li>4" (110 mm) Schedule 80 PVC</li> </ul>	Fast	<p>BLUE TO CLEAR</p>	<p>PW-GDW/SW U.P. CODE</p>	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b> Gallon (#14870), Quart (#14871), Pint (#14872), ½ Pint (#14873)					
<p><b>748™ POOL FAST™</b></p> <ul style="list-style-type: none"> <li>Medium bodied high-strength and ultra fast setting cement; specially formulated for pool maintenance and repair.</li> <li>For wet or quick pressurization conditions.</li> <li>Blue cement fades to clear in sunlight for cleaner looking joints.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>	<ul style="list-style-type: none"> <li>6" (160 mm) PVC</li> <li>4" (110 mm) Schedule 80 PVC</li> </ul>	Ultra Fast	<p>BLUE TO CLEAR</p>	<p>PW-GDW/SW</p>	ASTM D 2564 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b> Gallon (#13655), Quart (#13342), Pint (#13343), ½ Pint (#13344)					
<p><b>ECO POOL PRIMER™</b></p> <ul style="list-style-type: none"> <li>Ultra low VOC. Reduced odorous fumes for improved workplace environment.</li> <li>Quality primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces</li> </ul>			<p>PURPLE</p> <p>CLEAR</p>	<p>U.P. CODE (Purple Only)</p> <p>PW-GDW/SW</p>	ASTM F 656 NSF/ANSI 14 NSF/ANSI 61
<b>AVAILABLE SIZES</b> PURPLE: Gallon (#14880), Quart (#14881), Pint (#14882), ½ Pint (#14883), ¼ Pint (#14884) CLEAR: Gallon (#14875), Quart (#14876), Pint (#14877), ½ Pint (#14878), ¼ Pint (#14879)					



## WELD-ON SOLVENT CEMENTS AND PRIMERS

### Applicators



#### SuperSwab™

A sturdy easy-to-grip 4" swab for pipe diameter from 4" through 8". Adjustable length and dual cap design that fits quart and gallon containers. The swab tip is disposable and swab handle is reusable. Patent No. 8747004

**Individual Pack** (#14108), **Bulk Pack** (#14111),  
**Replacement Swab Tip** (#14109),  
**Replacement Swab Tip Bulk Pack** (#14112)



#### 7020

Jumbo Roll-A-Weld 7" roller for pipe diameters of 6" or larger; fits MT-648 gallon can and cements available in wide mouth cans. (#10008)



#### 4020

4" swab for pipe diameters of 6" or larger; fits MT-648 empty gallon can and cements available in wide mouth cans. (#10009)



#### 3020

Roll-A-Weld 3" roller for pipe diameters from 3" through 6"; fits MT-653 empty quart triple tight neck can. (#10007)



#### 5020

4" swab for pipe diameters from 3" through 8"; fits standard quart can as well as MT-651 empty quart can. (#12071)



#### 6020

Roll-A-Weld 4" roller for pipe diameters from 3" through 8"; fits standard quart can as well as MT-651 empty quart can. (#11957)



#### 8020

4" cotton swab with wire handle for use on pipe diameter 6" or larger. (#13360)



#### SuperDauber™

Fully adjustable, telescopic stem that fits quart, pint and ½ pint cans. Easy grip, ribbed handle allows better dauber control. Shed-resistant dauber material is better for smooth, full application of cement or primer. Available in ¾" (#10832) and 1¼" (#10833) dauber sizes.



#### Cap Daubers

DH Daubers fit ¼ pint & ½ pint cans; DP daubers fit ½ pint & pint cans; DQ daubers fit quart cans. Available in ¾", ½", ¾", and 1½" dauber sizes.

#### AVAILABLE SIZES

**DH-38** (#13199)    **DP-50** (#10003)    **DP-75** (#10004)  
**DP-150** (#10005)    **DQ-50** (#11831)    **DQ-75** (#12429)  
**DQ-150** (#10006)



#### PB-1

Plastic handle brush. Fits standard pint and quart cans. (#12121)

### Accessories



#### CST-36 Cable Saw

36" cable saw with T-Handle for cutting plastic pipe through 8" diameters. (#12739)



#### Easy Twist™

The Easy Twist™ is ergonomically designed to easily open the can in a simple twist without damaging the cap. When closing the can, the Easy Twist™ helps tighten and seal the cap with extra torque preventing solvent cements or primers from drying out. (#14550 8-pack)



#### Can-Tote Cement & Primer Carrier

For carrying quart and pint cans. **6 pack** (#14147)  
**24 pack** (#12891)



#### Empty Metal Cans

(Caps not available for sale. Daubers sold separately.)

#### AVAILABLE SIZES

**MT-648** Gallon can with 2¾" neck (#10010)  
**MT-651** Quart can with 1¾" neck (#10012)  
**MT-653** Quart can with triple tight neck (paint style) (#10014)  
**MT-654** Pint can with 1¾" neck (#10015)



#### Professional Hand Cleaner Wipes

Advanced hand cleaner disposable wipes for removing residual solvent cements (PVC, CPVC, ABS), primers & sealants. Also removes dirt, oil, grease and much more. (#12762)



#### DEB-2 Deburring Tool

For PVC, CPVC, ABS, PE & PB pipe from ½" through 2" IPS. (#12079)



#### Mounted Power Beveling Tool

For beveling the ends of small diameter plastic pipe (PVC, CPVC, ABS). Nominal pipe sizes ½" CTS - 3" IPS. (#12863)



#### Pipe and Fitting Pullers

For installation of large diameter plastic pipe and fittings (PVC, CPVC, ABS). Available for pipe and fittings sizes 4" - 12" diameter (#12816) and 14" - 20" diameter (#12815). Lightweight, durable and can easily be operated by one person.



## SPECIALTY PRODUCTS




Weld-On® offers extensive specialty products to meet your plumbing needs.

- **Repair and fabrication adhesives** are great for repairing cracks, leaky pipe valves and fittings. These adhesives are also great for pipe fabrication because of their excellent gap-filling properties.
- **Weld-On® pipe thread sealant** product line is the best in the industry, sealing and lubricating metal and plastic pipe threads. These sealants work well on pipelines conveying various materials from compressed gas to corrosive liquids.
- **Joint compounds** set and seal plumbing fixtures, drains, as well as pipe threads.
- **Joint lubricants** are excellent for lubricating valves and gasketed joints.
- **Cutting oils** are used for cutting and threading ferrous and non-ferrous metal pipes.

Please refer to the individual product description for additional details.

## REPAIR AND FABRICATION ADHESIVES

The following Weld-On adhesives have Low VOC emissions per SCAQMD Rule 1168. Use of these products can qualify for one credit in the LEED® Green Building Rating System – Indoor Environmental Quality.

	Applicable for use with	Viscosity	Set Time	Color	Shelf Life
 <p><b>810™</b></p> <ul style="list-style-type: none"> <li>▪ Thick syrupy, two-component, high strength reactive adhesive.</li> <li>▪ Product can withstand very high pressures and is high impact resistant. Great for repairing cracks or leaky pipe valves and fittings.</li> <li>▪ Excellent gap-filling properties. Ideal for fabricating fittings and joining saddles to pipe. Good for bonding large diameter PVC and CPVC pipe and fittings.</li> </ul>	<ul style="list-style-type: none"> <li style="width: 50%;">▪ PVC</li> <li style="width: 50%;">▪ CPVC</li> <li style="width: 50%;">▪ ABS</li> <li style="width: 50%;">▪ Styrene</li> <li style="width: 50%;">▪ Acrylic</li> <li style="width: 50%;">▪ FRP (fiberglass-reinforced polyester)</li> <li style="width: 50%;">▪ Clay</li> <li style="width: 50%;">▪ Concrete</li> </ul>	40,000 cps	1 hour	WHITE	1 year
<p><b>AVAILABLE SIZES</b>      Gallon (#10810), Quart (#10811), Pint (#10812), 4 Oz (#10813)</p>					
 <p><b>811™</b></p> <ul style="list-style-type: none"> <li>▪ Thick syrupy, two-component, high strength reactive adhesive. Same formula as 810, but different packaging format.</li> <li>▪ Product can withstand very high pressures and is high impact resistant. Great for repairing cracks or leaky pipe valves and fittings.</li> <li>▪ Excellent gap-filling properties. Ideal for fabricating fittings and joining saddles to pipe. Good for bonding large diameter PVC and CPVC pipe and fittings.</li> <li>▪ Conveniently packaged in a dual cylinder cartridge for easy dispensing and application to the bonding surfaces.</li> <li>▪ See below for accessories.</li> </ul>	<ul style="list-style-type: none"> <li style="width: 50%;">▪ PVC</li> <li style="width: 50%;">▪ CPVC</li> <li style="width: 50%;">▪ ABS</li> <li style="width: 50%;">▪ Styrene</li> <li style="width: 50%;">▪ Acrylic</li> <li style="width: 50%;">▪ FRP (fiberglass-reinforced polyester)</li> <li style="width: 50%;">▪ Clay</li> <li style="width: 50%;">▪ Concrete</li> </ul>	40,000 cps	1 hour	WHITE	1 year
<p><b>AVAILABLE SIZES</b>      470mL (#10985)</p>					
 <p><b>845™</b></p> <ul style="list-style-type: none"> <li>▪ Highly viscous, two-component, high strength, reactive adhesive.</li> <li>▪ Product can withstand very high pressure and large temperature range (-30°F / -35°C to 200°F / 93°C). It is also impact resistant and can be used in wet conditions.</li> <li>▪ Excellent gap-filling properties. Ideal for fabricating fittings and joining saddles to pipe. Good for bonding large diameter PVC and CPVC pipe and fittings.</li> <li>▪ Conveniently packaged in a dual cylinder cartridge for easy dispensing and application to the bonding surfaces.</li> <li>▪ See below for accessories.</li> </ul>	<ul style="list-style-type: none"> <li style="width: 50%;">▪ PVC</li> <li style="width: 50%;">▪ CPVC</li> <li style="width: 50%;">▪ ABS</li> <li style="width: 50%;">▪ Fiberglass</li> <li style="width: 50%;">▪ Acrylic</li> <li style="width: 50%;">▪ FRP (fiberglass-reinforced polyester)</li> <li style="width: 50%;">▪ Concrete</li> </ul>	400,000 cps	30 mins.	TAN	1 year
<p><b>AVAILABLE SIZES</b>      400mL (#12759), 43mL (#12709 - 12-pack), 43mL Starter Kit (#12711)</p>					













## ADHESIVE ACCESSORIES

 <p><b>811 Dispensing gun and mixing tips</b></p> <ul style="list-style-type: none"> <li>▪ Manual or pneumatic dispensing gun for convenient application of Weld-On 811 dual cartridge, high strength adhesive.</li> <li>▪ Straight mixing tip provides even blending of the two adhesive components prior to application.</li> </ul>	 <p><b>845 Dispensing gun and mixing tips</b></p> <ul style="list-style-type: none"> <li>▪ Manual or pneumatic dispensing gun for convenient application of Weld-On 845 dual cartridge, high strength adhesive.</li> <li>▪ Straight mixing tip provides even blending of the two adhesive components prior to application.</li> </ul>
<p><b>AVAILABLE SIZES</b>      Manual gun (#14150) Mixing tip (#14080)</p>	<p><b>AVAILABLE SIZES</b>      400mL: Metal frame manual gun (#14152) Mixing tip (#14040) 43mL: Manual gun (#12471), mixing tip (#14077)</p>



## PIPE THREAD SEALANTS

All Weld-On® pipe thread sealants are lead free, odor free, non-staining, applicable in a large temperature range, can be immediately pressurized, easy to clean and have a creamy texture that packs well between pipe threads for a better seal.

	Industry Listing	Pressure Rating (PSI)		Temperature Range	Color	Shelf-life
		Liquids	Gases			
 <p><b>All Seal™</b> <span style="float: right;"><b>MULTI-PURPOSE SEALANT</b></span></p> <ul style="list-style-type: none"> <li>Slow drying, soft-setting formula allows ample time to work with pipe joints. Also easy for disassembly.</li> <li>Creamy, non-separating consistency provides excellent thread coverage.</li> <li>Product is grit-free to provide leak-proof seal on pipe threads.</li> <li>For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene, &amp; Nylon) piping systems carrying various materials.<sup>1</sup></li> <li>Very low VOC content: 152 g/L.</li> </ul>	 	6,000	3,000	-50°F to 455°F	<b>BEIGE</b>	2 years
<b>AVAILABLE SIZES</b> Pint (#87670), 1/2 Pint (#87665), 1/4 Pint (#87660)						
 <p><b>Blue Seal™</b> <span style="float: right;"><b>INDUSTRIAL GRADE SEALANT</b></span></p> <ul style="list-style-type: none"> <li>Heavy duty, grit-free formula. Excellent for industrial applications and pipe lines in high vibration environments.</li> <li>Contains finely homogenized PTFE particles for filling cracks and thread imperfections – ensuring a leak-proof seal.</li> <li>For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene, &amp; Nylon) piping systems carrying various materials.<sup>1</sup></li> <li>Tested and approved for addition to the FBC System compatible program for use with FlowGuard Gold®, BlazeMaster®, and Corzan® CPVC plastic piping systems.</li> <li>No VOC content.</li> </ul>	  	10,000	3,000	-50°F to 455°F	<b>BLUE</b>	3 years
<b>AVAILABLE SIZES</b> Quart (#87695), Pint (#87690), 1/2 Pint (#87685)						
 <p><b>White Seal™ Plus</b> <span style="float: right;"><b>MULTI-PURPOSE SEALANT WITH PTFE</b></span></p> <ul style="list-style-type: none"> <li>Contains finely homogenized PTFE particles for filling cracks and thread imperfections – ensuring a leak-proof seal.</li> <li>Non-setting formula allows easy disassembly of joints without damage to pipe, fittings or threads. Protects threaded areas from rust and corrosion and prevents galling.</li> <li>For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene, &amp; Nylon) piping systems carrying various materials.<sup>1</sup></li> <li>Tested and approved for addition to the FBC System compatible program for use with FlowGuard Gold®, BlazeMaster®, and Corzan® CPVC plastic piping systems.</li> <li>No VOC content.</li> </ul>	  	10,000	3,000	-50°F to 455°F	<b>WHITE</b>	3 years
<b>AVAILABLE SIZES</b> Quart (#87740), Pint (#87735), 1/2 Pint (#87730), 1/4 Pint (#87725)						
 <p><b>505 Key Tite™</b> <span style="float: right;"><b>METAL PIPE SEALANT</b></span></p> <ul style="list-style-type: none"> <li>Special formulation seals and lubricates metal pipe joints as well as protects them from rusting and seizing.</li> <li>Applicable for all types of metal joints (threaded, flanged or gasketed).</li> <li>For sealing and lubricating all metal piping systems carrying various materials.<sup>2</sup></li> </ul>	—	Dependent on pressure rating of the piping systems	-50°F to 450°F	<b>GREEN</b>	2 years	
<b>AVAILABLE SIZES</b> Gallon (#10062), Quart (#10063), Pint (#10064), 1/2 Pint (#10068), 1/4 Pint (#10069)						

<sup>1</sup> All 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.

<sup>2</sup> 505 Key Tite can be used on **metal** piping systems carrying: acids (diluted), air (compressed or gaseous), alcohols, alkalis (diluted), brine, caustics (diluted), gases (manufactured or natural), low pressure steam lines, sugar (liquid), and hot or cold water.



## JOINT COMPOUNDS

In addition to our premium Weld-On® sealants, we also offer a cost-effective sealant alternative - our joint compounds. They are semi-solid, lead-free, non-toxic, and also provide effective seals to plumbing fixtures & drains, as well as pipe threads.



### Soft Seal Plumber Putty

- For setting and sealing plumbing fixtures and drains. Will not harden, crack or crumble.
- Complies with Federal Specification TT-P-1536A.
- Lead-free, non-corrosive and stainless.
- 100% water-proof.

AVAILABLE SIZES 5 LB. (#80105), 3 LB. (#80103), 14 Oz. (#80100)



### Epoxy Putty Stick

- Quick hardening sealant/adhesive.
- Plugs, seals, patches or repairs most materials.
- Excellent for underwater repairs.
- Hardens in 20 minutes and cures in 1 hour.
- Non-toxic, safe for potable water line.

AVAILABLE SIZES 4 Oz (#84055)



### Pipe Stick Joint Compound

- Thread sealant for metal and plastic pipe.
- Prevents rust and corrosion allowing easier disassembly.
- Lead-free and non-toxic.

AVAILABLE SIZES 1.3 Oz (#81255)



### Thread Seal Tape

- Contains PTFE.
- Complies with MIL-T-27730A specifications.
- Available in various colors, widths and lengths.

AVAILABLE SIZES: 1/2" x 260" White (#80315), 1/2" x 520" White (#80310), 3/4" x 260" White (#87750), 3/4" x 520" White (#87755), 1" x 520" White (#87720), 1/2" x 260" Yellow Gas Line (#80320), 1/2" x 260" Pink Extra Duty (#80325)

## JOINT LUBRICANTS

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



### EZ Flush Pipe Lubricant

- Applicable for joining all metal and plastic gasketed pipes.
- Lubricates slip-on or "O" ring type joints without harming rubber or plastic gaskets.
- Easily flushes out of piping system.
- Non-toxic and non-corrosive. No taste or odor.

AVAILABLE SIZES 5 Gallon (#87721), Gallon (#87719), Quart (#87718)



### Seal Lube Gasket Lubricant

- Primes and lubricates slip-on or "O" ring type joints with rubber or synthetic rubber gaskets.
- Non-toxic and non-corrosive. No taste or odor.
- 100% water soluble.

AVAILABLE SIZES Gallon (#87715), Quart (#87710), Pint (#87705)



### Slik Seal Plumber Grease

- For lubricating valve stems.
- 100% water-proof.

AVAILABLE SIZES 1 Oz. (#80427)

## 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 5 Gallon (#80422), Gallon (#80421), Quart (#80420), Pint (#80415)



## SOLVENT CEMENTS SET/CURE TIMES AND APPLICATOR GUIDE

### Average Initial Set Schedule For WELD-ON® PVC/CPVC Solvent Cements\*\*

Temperature Range	Pipe Sizes				
	½" to 1¼" (20mm to 40mm)	1½" to 2" (50mm to 63mm)	2½" to 8" (75mm to 200mm)	10" to 15" (250mm to 380mm)	15"+ (380mm +)
60°-100°F/16°-38°C	2 minutes	5 minutes	30 minutes	2 hours	4 hours
40°-60°F/5°-16°C	5 minutes	10 minutes	2 hours	8 hours	16 hours
0°-40°F/-18°-5°C	10 minutes	15 minutes	12 hours	24 hours	48 hours

**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.

### Average Joint Cure Schedule For WELD-ON PVC/CPVC Solvent Cements\*\*

Relative Humidity 60% or less	Pipe Sizes							
	½" to 1¼" (20mm to 40mm)		1½" to 2" (50mm to 63mm)		2½" to 8" (75mm to 200mm)		10" to 15" (250mm to 380mm)	15"+ (380mm +)
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	160 to 315 psi / 11 to 22 Bar	up to 100 psi / 7 Bar	up to 100 psi / 7 Bar
60°-100°F/16°-38°C	15 min	6 hrs	30 min	12 hrs	1½ hrs	24 hrs	48 hrs	72 hrs
40°-60°F/5°-16°C	20 min	12 hrs	45 min	24 hrs	4 hrs	48 hrs	96 hrs	6 days
0°-40°F/-18°-5°C	30 min	48 hrs	1 hour	96 hrs	72 hrs	8 days	8 days	14 days

**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 general reference only.

### Average Number of Joints/Quart (1Kg) of WELD-ON Cement\*

Pipe Diameters	½" / 20mm	¾" / 25mm	1" / 32mm	1½" / 50mm	2" / 63mm	3" / 90mm	4" / 110mm	6" / 160mm	8" / 200mm	10" / 250mm	12" / 315mm	15" / 380mm	18" / 450mm
Number of Joints	300	200	125	90	60	40	30	10	5	2-3	1-2	¾	½

**Note** - For Primer: Double the number of joints shown for cement.

\* These figures are estimates based on our laboratory tests. Due to the many variables in the field, these figures should be used as a general guide only. **Note: 1 Joint = 1 Socket**

### Pipe Size Equivalent Chart - Inches/Millimeters

in.	½"	¾"	1"	1¼"	1½"	2"	2½"	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

## WELD-ON APPLICATOR SELECTION GUIDE

Weld-On solvent cements are packaged with can-ld daubers: ¾" dauber on quarter pint and half pint cans and 1½" dauber on pint and quart cans. For proper solvent welding of pipe and fittings, the cement applicator **must** be no less than half the size of the pipe. See the following charts for applicator (daubers, swabs, and rollers) recommendations pertaining to pipe size.

DAUBERS	Pipe Diameters						
	¾"	1"	1¼"	1½"	2"	3"	4"
¾" Dauber	•						
1" Dauber		•					
1¼" Dauber			•				
1½" Dauber				•			

ROLLERS & SWABS	SIZE	FOR PIPE DIAMETERS
	3020	3" Roller
6020	4" Roller	3" - 8"
7020	7" Roller	6"+
4020	4" Swab	6"+
5020	4" Swab	3" - 8"
8020	4" Swab	6"+
SuperSwab™	4" Swab	4" - 8"

## PRODUCT SHELF LIFE

Weld-On Products	Shelf-life	Weld-On Products	Shelf-life
Primers / Cleaners	3 years	CPVC Solvent Cement	2-3.5 years
PVC Solvent Cement	3-4 years	ABS Solvent Cement	3 years

\* Refer to individual product for shelf-life detail.





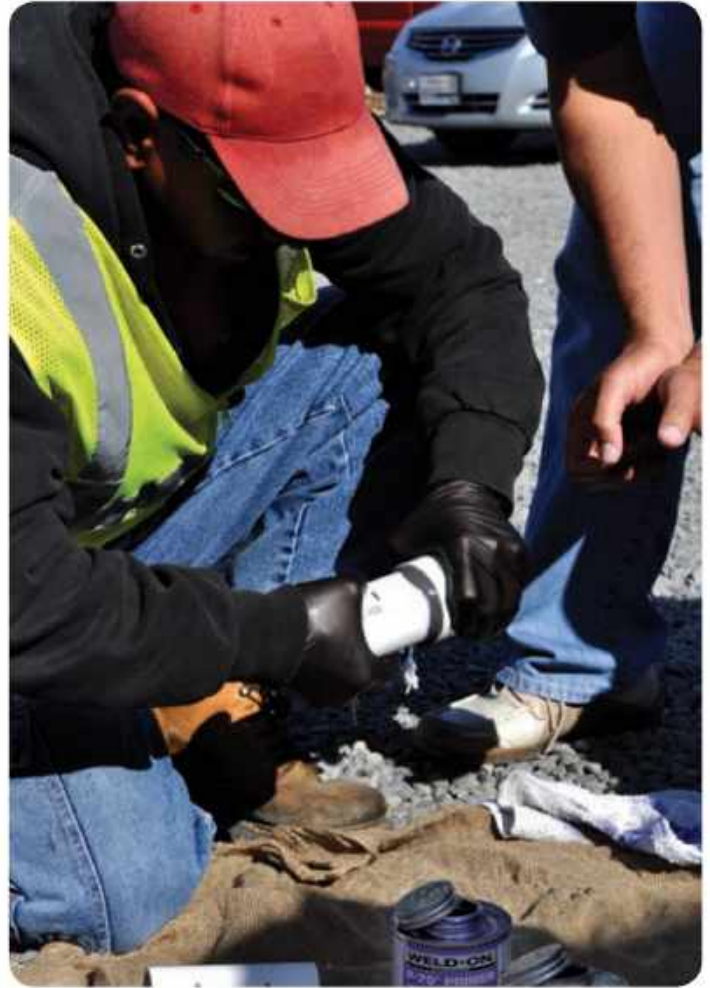
## TECHNICAL TRAINING

Proper solvent welding of plastic pipe and fittings is the key to a long, trouble-free service life for your piping system. The cost of solvent cement and primer is less than 1% of the entire cost of a plastic piping system project. However, if this 1% is not correctly implemented and there is a pipe joint failure, the remaining 99% will not work.

### Common causes of joint failure are:

- *Insufficient or over application of solvent cement*
- *Inadequate insertion of the pipe into fitting*
- *Lack of knowledge about proper solvent welding techniques*

Weld-On offers a manned, not pre-recorded, technical hotline to help answer questions about Weld-On products and techniques for solvent welding plastic pipe and fittings. We also offer a comprehensive technical training program covering the best practices of solvent welding technique based on ASTM D2855 standard as well as field practice – for FREE. Call our technical team to learn more and sign up at 1-877-477-8327.



circa 1960's





## OUR COMPANY

Established in 1954, IPS® Corporation has consistently grown over the past 60+ years. Today, we are the trusted leader in manufacturing solvent cements, adhesives, and components for the plumbing, construction and plastic fabrication industries. Our core brands include **WELD-ON®**, **WATER-TITE**, **TEST-TITE®**, **AB&A™**, **GUY GRAY™**, **METACRYLICS®**, **ROOF TOP BLOX®**, **STUDOR®** and **TRUEBRO®**. Our quality products are manufactured with proven formulation and design using state-of-the-art equipment and manufacturing techniques.

Headquartered in California, Weld-On, a division of IPS Corp., has operations throughout the United States, as well as China, and a worldwide network of sales representatives and distributors.

## OUR COMMITMENT

Weld-On is committed to our customers in all aspects of our operation and in all functions of our company:

**Quality products** – We are committed to manufacturing quality products for professionals. In fact, our California facility is ISO 9001:2015 certified for its excellent quality management system. Our products are manufactured to the highest standards available and face stringent quality control tests prior to sale and distribution.

**Excellent customer service** – Our skilled team is readily available to help customers with product selection and ordering. We are experts in international shipping and our international customer service staff is certified in hazardous material shipment.

**Professional technical service** – Our technical specialists provide professional recommendations and product application / job-site installation training to suit the needs of our customers.

**Expert R&D** – Our research scientists and engineers have vast technical knowledge to develop the most technically advanced and innovative products to meet our customers' needs.



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.





## WELD-ON® SOLVENT CEMENTS, PRIMERS, AND CLEANERS

Weld-On is the original innovator of solvent cements, primers and cleaners for PVC, CPVC, and ABS plastic piping systems. Our Weld-On® name is globally-recognized as **the premium brand** of products for joining plastic pipes and fittings. We are committed not only to providing the best product performance, but to do so in the **most environmentally-responsible** manner. All Weld-On solvent cements, primers and cleaners **meet the requirements for Low VOC (volatile organic compound) emission limits** established by the California South Coast Air Quality Management District (SCAQMD), one of the nation's strictest air quality regulatory bodies and our new ultra low VOC ECO™ product line meets the more stringent SCAQMD 2023 regulations. Low VOC emissions contribute to cleaner air.



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



### All Weld-On products provide the following benefits:

- **High Quality Performance** with excellent installation properties.
- **User Friendly.** Reduced fumes and odor for the comfort and well-being of pipe installers.
- **NSF, UPC, and/or CSA Listed.** Products are qualified for use in applications such as potable water, turf, irrigation, pool, industrial, conduit, DWV and/or sewer.<sup>†</sup>
- **Meet ASTM Standards** for solvent cements and primers used for plastic pipe installation.<sup>†</sup>

#### ▪ **Environmentally Responsible.**

Weld-On solvent cements meet the stringent VOC content requirement per SCAQMD 1168. Credit can be earned per LEED® (Leadership in Energy and Environmental Design), IEQ Credit 4.1\*.

#### Current SCAQMD Rule 1168 Max VOC Content (gram/liter)\*

Primer	550
PVC Solvent Cement	510
CPVC Solvent Cement	490
ABS Solvent Cement	325

<sup>†</sup>Refer to individual solvent cement and/or primer for specific ASTM Standards, NSF, UPC and/or CSA Listings.

\*LEED Indoor Environmental Air Quality 4.1: low-emitting materials – adhesives & sealant.

\*Max VOC content will become more stringent when SCAQMD revises Rule 1168 in 2023.





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