

WELD-ON® LOW VOC CPVC SOLVENT CEMENTS

FLOWGUARD GOLD

your best solution to joining
CPVC piping systems for
residential and commercial
water distribution applications





EASY ONE STEP

solvent welding - copper tube size (CTS) CPVC pipe

Only a one-step solvent welding process is required to join copper tube size CPVC pipe and fittings unless the use of primer is specified by the local plumbing code.





CTS to IPS CPVC Pipe Transition

When the FlowGuard Gold® and Corzan® CPVC piping systems are used together, it is important to use the right solvent cements at the CTS / IPS CPVC pipe transition.

Failure to do so can result in weak, improper joints that do not meet the plumbing code requirement.

* No need for a primer unless required by local plumbing code.
Refer to the Weld-On® Guide to Solvent Cementing PVC and CPVC Plastic Pipe and Fittings and/or ASTM D-2855 for detailed direction.

CPVC piping systems are THE preferred choice by contractors for **hot and cold water distribution applications** for residential and commercial projects due to their durability, cost efficiency, and performance. Likewise, **Weld-On® Low VOC solvent cements are THE preferred choice** for joining CPVC pipes due to their **proven formulations** for use with copper tube size and iron pipe size CPVC piping systems and **exceptional chemical bonding properties** leading to strong pipe joints. Weld-On® products meet ASTM D-2846, F-493, and F-656 standards for solvent welding CPVC pipes and are listed for potable water use by  and .

Weld-On® FlowGuard Gold® Solvent Cement - the right choice

- Formulated for the FlowGuard Gold® CPVC piping systems with interference fit up to CTS 2-inch diameter
- Applicable for use in potable water distribution systems, hot and cold, up to 180°F
- Color coded yellow for identifying one-step CTS CPVC pipe joints without the use of primer
- Fast setting for quick installation time
- Excellent viscosity
- Low VOC emission to the environment

CONVENIENT TWO STEP

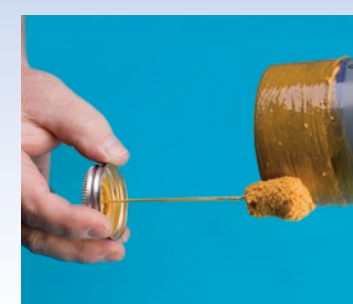
solvent welding - iron pipe size (IPS) CPVC pipe

According to applicable plumbing codes, CPVC pipe and fittings are required to be primed with a purple primer before being joined by an orange color solvent cement.

Step 1 – Prime#



Step 2 – Solvent Weld#



Weld-On® offers the perfect combination of primer and solvent cement for iron pipe size CPVC pipe and fittings.

Weld-On® P-70™ Purple Primer

- Suitable for use with all types, classes and schedules of IPS CPVC pipe and fittings
- Penetrates aggressively and rapidly, making it ideal for softening CPVC plastic surfaces
- Assists in making strong, consistent, well-bonded joints when properly applied
- Temperature friendly, can be used in hot and cold weather
- Water-like consistency
- Distinctly colored purple for ease of inspection per local plumbing code
- Low VOC emission to the environment

Weld-On® 714™ Orange Solvent Cement

- Formulated for Corzan® and other CPVC pipe and fittings with interference fit to IPS 12-inch diameter, all classes and schedules including Schedule 80
- Applicable for use in potable water distribution systems, hot and cold, up to 180°F
- Medium set time allowing proper bonding of large diameter pipe joints
- Heavy-bodied, good for gap filling
- Color coded orange for identifying IPS CPVC-specific solvent welded joints
- Low VOC emission to the environment

One Step

- **Solvent weld** CTS pipe end and CTS/IPS transition bushing (on the CTS side) with Weld-On® FlowGuard Gold® Solvent Cement.*#

Two Step

- **Prime** and soften the surfaces of CTS / IPS transition bushing (on the IPS side) and IPS reducer bushing with Weld-On® P-70™ Purple Primer.
- **Solvent weld** the bushings with Weld-On® CPVC 714™ Orange Solvent cement.*#
(Repeat both steps when joining IPS reducer bushing to IPS pipe.)

CTS/IPS
Transition
Bushing

Corzan® IPS
CPVC Reducer
Bushing

FLOWGUARD GOLD®

Copper Tube Size CPVC Pipe

CORZAN®

Iron Pipe Size CPVC Pipe



for use with copper tube size
CPVC pipe and fittings
up to 2" diameter



Weld-On® FlowGuard Gold® Solvent Cement

Stock Number	Can Size / Packaging	Units / Case	Lbs / Case
11025	Gallon Metal can with screw top (no applicator)	6	56
11026	Quart Metal can with applicator top	12	29
11027	Pint Metal can with applicator top	12	15
11028	Half-Pint Metal can with applicator top	24	16
11029	Quarter-Pint Metal can with applicator top	24	8



Weld-On® FlowGuard® Glow Solvent Cement

The cement goes on the pipe yellow and glows fluorescent blue under ultraviolet light.

Stock Number	Can Size / Packaging	Units / Case	Lbs / Case
13234	Quart Metal can with applicator top	12	29
13233	Pint Metal can with applicator top	12	15
13249	Half-Pint Metal can with applicator top	24	16

for use with iron pipe size
CPVC pipe and fittings
up to 12" diameter



Weld-On® P-70™ Purple Primer

Stock Number	Can Size / Packaging	Units / Case	Lbs / Case
10221	Gallon Metal can with screw top (no applicator)	6	49
10223	Quart Metal can with applicator top	12	26
10225	Pint Metal can with applicator top	12	13
10227	Half-Pint Metal can with applicator top	24	14
10229	Quarter-Pint Metal can with applicator top	24	7



Weld-On® CPVC 714™ Orange Solvent Cement

Stock Number	Can Size / Packaging	Units / Case	Lbs / Case
10130	Gallon Metal can with screw top (no applicator)	6	55
10132	Quart Metal can with applicator top	12	29
10135	Pint Metal can with applicator top	12	14
10137	Half-Pint Metal can with applicator top	24	15

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WELD002
Lit. #230109 05-2009

