

NEW PRODUCT



DELIVERING RELIABILITY. FOR LIFE.

FlowGuard™ High Contrast Green One-Step Solvent Cement

Lubrizol Advanced Materials, in collaboration with our solvent cement and pipe and fitting partners, has introduced an innovation in solvent cements for FlowGuard Gold® CPVC plumbing systems: FlowGuard™ High Contrast Green One-Step Solvent Cement.

Why a New Solvent Cement?

Since the early 1990s, plumbing codes have required one-step CPVC cements to be yellow in color. This requirement provided little contrast between the yellow cement and the FlowGuard Gold CPVC tan pipe and gold stripe.

The lack of contrast between the cement and the pipe can make it harder to visually inspect work to identify dry-fits and ensure all fittings have been solvent welded. With FlowGuard High Contrast Green One-Step Solvent Cement inspectors and quality control teams can easily see the cement on the pipe, even in poorly lit areas where the background is similar in color to the pipe.

Performance of the New Cement

The only change with FlowGuard High Contrast Green One-Step Solvent Cement compared to the yellow one-step cement is the color. The high-contrast cement applies the same and provides the same bonding strength, forming a weld at each joint that is stronger than the pipe alone.



Code Approval and Product Availability

The code changes that enable the use of FlowGuard High Contrast Green One-Step Solvent Cement have been finalized and accepted by ICC, including the IPC, IMC and IRC; and is pending final approval by IAPMO including the UPC and UMC.

The new color will be included in the 2024 codes, but the cement can be used immediately, based on acceptance by local code officials. Since the new solvent cement delivers the same bonding strength and improves quality control, there are good reasons for contractors to begin using, and code officials to accept, this new solvent cement before the code changes become effective in 2024.

FlowGuard High Contrast Green One-Step Solvent Cement is available from Oatey and E-Z Weld under the following part numbers:

	Oatey	E-Z Weld
2 oz	N/A	EZ22806
4 oz	31985	EZ22801
8 oz	31986	EZ22802
16 oz	31987	EZ22803
32 oz	31988	EZ22804
128 oz	31989	EZ22805

A MESSAGE FOR INSPECTORS

About FlowGuard™ High Contrast Green One-Step Solvent Cement



For many years, plumbing contractors and inspectors across the country have expressed their concern that existing yellow solvent cement, the only code-approved one-step cement color for use with FlowGuard Gold CPVC plumbing systems, was difficult to visually inspect at a pipe/fitting connection due to the similarity in color between the yellow cement and the tan pipe with a gold stripe.

To resolve this issue and improve the ability to visually inspect solvent welded FlowGuard Gold CPVC plumbing systems, the FlowGuard Gold CPVC team has collaborated with IAPMO and ICC to modernize the plumbing code by adding a new color option for one-step CPVC solvent cements. This change has been fully approved in the 2024 IPC, IMC, and IRC and is pending final approval in the UPC and UMC for the 2024 code cycle and can be implemented immediately with local jurisdictional approval.

Working closely with our solvent cement partners, we've developed a new darker cement, green in color, that will provide a higher visual contrast against the pipe and fitting. The new FlowGuard High-Contrast Green One-Step Solvent Cement works exactly the same as the yellow-colored solvent cement. The only difference is the new green color that significantly improves visibility for inspection.

While local plumbing codes may still specify that one-step CPVC solvent cements be yellow in color, we believe that the green color cement significantly improves the ease of system inspection for both contractor quality control efforts and code officials.

We ask that code inspectors use their discretion to consider the high-contrast green solvent cement compliant in the period following final approval by code organizations and when these changes become part of code in 2024.



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