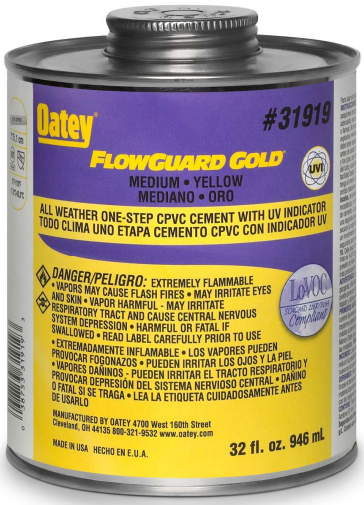
Oatey®
4700 W. 160th St.
Cleveland, OH 44135
1-800-321-9532
1-800-321-9535
www.oatey.com

TECHNICAL SPECIFICATION

FLOWGUARD GOLD®*
MEDIUM YELLOW ONE-STEP CPVC SOLVENT CEMENT WITH ULTRAVIOLET INDICATOR (UVI)

Quality ISO 9001 System

TECHNICAL SPECIFICATION: Oatey FlowGuard Gold® Medium Yellow One Step CPVC Solvent Cement with UltraViolet Indicator is recommended for solvent welding FlowGuard Gold® CPVC pipe and fittings up to 2" Copper Tube Size diameter. CPVC FlowGuard Gold® with UltraViolet Indicator is specially formulated to allow for quick and easy inspection of dry fit joints using any ultraviolet light source. When solvent cement is applied properly, the yellow formula will glow BLUE under ultraviolet light. This product is compliant with California South Coast Air Quality Management District (SCAQMD) Rule 1168 and Ozone Transport Commission (OTC) regulations for Volatile Organic Compound emission levels. **Note: This product is not for use in a system using or being tested by compressed air or gases.**



Lo-VOC SCAQMD 1168/316A Compliant

Any ultraviolet light source will identify joints that have been solvent cemented. The blue color ensures cement has been applied.

PHYSICAL/CHEMICAL PROPERTIES

Appearance	Yellow Liquid
Viscosity	min. 500 cps @ 73° F ± 2° F
Density	7.98 ± 0.2 lbs/gallon
Hydrostatic Burst Strength (min. per ASTM Standards)	
2 hours @ 73° F	min. 400 psi
Set Up Time	
30° F to 50° F	4 – 5 minutes
50° F to 70° F	2 – 3 minutes
70° F to 90° F	1 – 2 minutes
Shelf Life	2 years from manufacture date

Maximum VOC per SCAQMD 1168/316A or BAAQMD Method 40: 490 g/L

INGREDIENTS (CAS Number)

Amorphous Silica (112945-52-5)
CPVC Resin (68648-82-2)
Cyclohexanone (108-94-1)
Methyl Ethyl Ketone (78-93-3)
Yellow Colorant (N/A)
Tetrahydrofuran (109-99-9)

LISTINGS

NSF Standard 61 for PW, DWV, SEWER

IAPMO Listed

Meets ASTM Standard F 493

PRODUCT NUMBER	SIZE	PACK	CARTON WEIGHT
31917	8 oz.	24	16 lbs.
31918	16 oz	24	29 lbs.
31919	32 oz.	12	29 lbs.

**FlowGuard Gold® is a registered trademark of The Lubrizol Corporation.*

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DIRECTIONS FOR USE

Read all directions carefully before using this product. Do not breathe vapors. Use only in well ventilated areas. If forced air ventilation is used, be sure it does not cause a fire hazard from solvent vapors. If adequate ventilation cannot be provided, wear a NIOSH-approved respirator for organic solvents. Do not use or store near heat, sparks, or flames. Do not smoke, eat or drink when using. Do not take internally. Vapors may accumulate in low places and may ignite explosively. Store and use at temperatures between 0ºF to 110ºF. At temperatures outside of this range, special care must be taken to prepare good joints and prevent exposures to solvents. Stir or shake before using; if jelly-like, don't use. Keep container closed when not in use. Avoid eye and skin contact - wear safety glasses with side shields and wear rubber gloves.

1. Square pipe ends and remove all burrs and dirt.
2. Check dry fit of pipe and fitting. Pipe should easily go 1/3 of the way into the fitting. If the pipe bottoms, it should be snug.
3. Use a suitable applicator at least 1/2 the size of the pipe diameter. For larger size pipe systems use a natural bristle brush or roller.
4. Clean pipe and fitting with a listed primer. **Where local codes permit,** may be used without primer.
5. Apply liberal coat of cement to pipe to the depth of the socket; leave no uncoated surface.
6. Apply a thin coat of cement to inside of fitting; avoid puddling of cement. Puddling can cause weakening and premature failure of pipe or fitting. Apply a second coat of cement to the pipe.
7. Assemble parts QUICKLY. Cement must be fluid. If cement surface has dried, recoat both parts.
8. Push pipe FULLY into fitting using a 1/4 turning motion until pipe bottoms.
9. Hold pipe and fitting together for 30 seconds to prevent pipe push-out – longer at cold temperatures. Wipe off excess.
10. Allow 5 minutes for good handling strength. For temperatures above 60ºF allow 1 hour cure for cold water applications and allow 6 hours cure for hot water applications before pressure testing up to 180 psi. Longer cure times may be required depending on pipe diameter, pressure and weather. DO NOT TEST WITH AIR.

This product is not for use with caustic or acidic chemical solutions. Consult Oatey Technical Department for more information.

PRECAUTIONS

Read all information carefully before using this product.

DANGER: EXTREMELY FLAMMABLE. VAPORS MAY CAUSE FLASH FIRES. MAY IRRITATE EYES AND SKIN. VAPOR HARMFUL. MAY IRRITATE RESPIRATORY TRACT AND CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. HARMFUL OR FATAL IF SWALLOWED.

May cause irritation to eyes, skin, and nose, throat, and respiratory tract. May cause coughing, sore throat, difficulty breathing, headache, dizziness, nausea. Long term repeated overexposures to solvents may cause damage to the brain, nervous system, reproductive system, respiratory system, mucous membranes, liver, and kidneys. **KEEP OUT OF REACH OF CHILDREN.**
FIRST AID: If swallowed, **DO NOT INDUCE VOMITING.** Drink water and call a doctor or poison control center immediately. This product may be aspirated into the lungs and cause chemical pneumonitis, a potentially fatal condition. If contact with eyes, flush with water for 15 minutes and seek medical attention if irritation persists. If contact with skin, flush with water and then use baby oil or Oatey Hand Cleaner to remove residue. If inhaled and ill feelings develop, get fresh air and obtain medical attention if ill feelings persist. **FOR EMERGENCY FIRST AID INSTRUCTIONS CALL 1-877-740-5015.**
FIRE: Use dry chemical, foam, or carbon dioxide extinguisher. Water spray may be applied to reduce potential vapors or for cooling. Burning liquid extinguished with water will float and may re-ignite on surface of water.
SPILLS: Remove all sources of ignition and ventilate area. Personnel cleaning up the spill should wear appropriate personal protective equipment, including respirators if vapor concentrations are high. Soak up spill with absorbent material. Put absorbent material in covered, labeled metal containers. Dispose of in accordance with local regulations.

A fire or explosion may result if dry granular calcium hypochlorite is used to disinfect plastic piping systems and is exposed to organic vapors found in solvent cements, cleaners or primers. Do not disinfect piping system with dry granules. Do not store dry granular calcium hypochlorite near solvent cements, cleaners or primers. DO NOT REUSE EMPTY CONTAINER. KEEP OUT OF REACH OF CHILDREN.

Refer to material safety data sheet for more information.

Before purchase and use of a product, review the product application and be certain the product, installation and use will be in compliance with any applicable codes and regulations.