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FLOWGUARD GOLD[®] CPVC, ONE-STEP CEMENT MEDIUM BODY, YELLOW



GENERAL DESCRIPTION:

E-Z Weld 227 FlowGuard Gold[®] Cement is medium bodied, fast set CPVC Solvent Cement. Made underlicense from Lubrizol Advanced materials Inc. this cement was formulated for use on CPVC copper tube sizes pipes & fittings. This specially made cement does not require the use of primer, where code permits.

APPLICATION:

This cement is good for joining CPVC copper tube sizes pipes & fittings up to 2 " diameter including FlowGuard Gold* pipes & fittings. It may be used without primer where code permits. This cement is approved for use on hot (up to 180 degree Fahrenheit) & cold water pressure system .It may also be used for non-pressure applications such as drain, waste, vent, sewer, gas, conduit etc. For superior joints use of E-Z Weld Primer, Purple (No.212) or Clear (No. 211). Never add thinner or additive. Never use the cement if it is stringy or jelly like. Always follow instructions on the label.

Application temperature: 32°F to 110°F
Storage temperature: 40°F to 100 °F



CERTIFICATION:



This product is tested, certified and approved by the NSF International for use on potable (drinking) water drain, waste and vent system. This cement meets ASTM Standard F 493 and D-2846. Listed by the International Association of Plumbing and Mechanical Operators (IAPMO), it carries the Uniform plumbing Code (UPC) seal.

QUALITY ASSURANCE:

Every batch of cement is carefully checked and monitored to assure consistently high quality standards. Records of every batch are kept. A sample of every batch is taken and kept at least one year. All ingredients are purchased from approved suppliers. This cement has passed the following test (performed in accordance with ASTM Std. F 493.)

Lap Shear: 250 psi after 2 hours cure time, 500 psi after 16 hours cure time, 900 psi after 72 hours cure time
Hydrostatic Burst: 400 psi after 2 hours cure time at 73°F, 200 psi after 2 hour cure time at 180°F

PHYSICAL PROPERTIES:

Color: Yellow Body: Medium Set: Fast Shelf life: 3 years (Unopened can)
Viscosity: Min 500 cps @ 73°F Specific Gravity: 8.129

LOW VOC (VOLITILE ORGANIC COMPOUND) Maximum VOC per SCAQMD 1168/316A: 490 g/l

CURE TIME GUIDE:

The ASTM has developed the following schedule and may be used as a guide (for relative humidity 60% or less. Sch. 40 size pipe.) *eg. a 2" pipe size joint made at 55 degrees F, 50% Relative Humidity and a test pressure of 100 psi would require a cure time of 4 hrs.*

Temperature Range (°F)	Pipe Size ½" to 1 ¼"		Pipe Size 1 ½" to 3"		Pipe Size 3" to 6"	
	Up to 180 psi	181 psi to 370 psi	Up to 180 psi	181 psi to 315 psi	Up to 180 psi	181 psi to 315 psi
60 to 100	1 Hr	6 Hrs	2 Hrs	12 Hrs	6 Hrs	24 Hrs
40 to 60	2 Hrs	12 Hrs	4 Hrs	24 Hrs	12 Hrs	48 Hrs
10 to 40	8 Hrs	12 Hrs	16 Hrs	96 Hrs	48 Hrs	8 Days



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AVAILABILITY:

Size	Part No. Regular	(UPC No.)	
1/4pt	22701	892996002911	<i>1/4 pt., 1/2 pt., Pt. And Qt. cans are supplied with dauber inside cap.</i>
1/2pt	22702	892996002928	
Pt	22703	892996002935	
Qt	220704	892996002942	

PACKAGING:

Size	1/4 Pt	1/2 Pt	Pt	Qt	Gal
Fluid oz	4	8	16	32	-
Liters	0.12	0.24	0.49	0.95	-
Units per case	24	24	12	12	-
Weight per case - Lb.	8	15	14	27	-
Weight per case - Kg	3.63	6.81	6.36	12.26	-
Cubic feet per case	0.28	0.42	0.43	0.73	-
Cubic meter per case	0.008	0.012	0.012	0.021	-
Cases per pallet	240	140	144	100	-

SAFETY PRECAUTIONS:

Ensure adequate ventilation to avoid vapor build up which may cause flash fire. Vapor build up may also cause dizziness, headaches or eye watering. If symptoms are experienced use respiratory protection (NOISH/MSHA TC 23 c or equivalent) or leave area and provide more fresh air. Avoid contact with eyes, skin and clothing by use of safety glasses and gloves. Professionals should consult ASTM Standard F 402-93 Safe Handling of Solvent Cements, Primers and Cleaners Used for Joining Thermoplastic Pipe and Fittings. Professional users should also read the Material Safety Data Sheet for the product.

Inhalation: If breathing is difficult vacate to fresh air. If breathing problems persist seek immediate medical attention.

Eyes: Flush eyes thoroughly with water for 15 minutes. Get immediate medical attention.

Internal: If swallowed give 1 or 2 glasses of water immediately, call physician, hospital or poison control immediately. **DO NOT INDUCE VOMITING.**

SHIPPING / TRANSPORTATION:

Material packaged in less than a liter size is exempted under "Limited Quantity Rules" by DOT. These packages may be shipped with the description ORM - D Consumer Commodity. Packages shipped under this description are not subject to shipping paper requirements for flammable materials.

For a liter and larger sizes (gallon and above container):

Proper shipping name: Adhesive Flammable Class 3 UN No: UN 1133 Packing group: PG II