



CPVC HEAVY DUTY ORANGE SOLVENT CEMENT TECHNICAL SPECIFICATION

Job Name _____	Item # _____
Location _____	
Engineer _____	Contractor _____
PO # _____	Tag _____
Representative _____	

SPECIFICATIONS

- Heavy-bodied orange cement for use on all schedules and classes of CPVC pipe and fittings up to 12" diameter with interference fit.
- Lo-V.O.C. Solvent Cement meets California South Coast Air Quality Management District (SCAQMD) 1168/316A or BAAQMD Method 40 and various environmental requirements.

APPLICATION / USES

- Approved for Corzan®* CPVC Piping Systems.
- For Commercial hot and cold water systems up to 200°F / 93°C.

PROPERTIES

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

CHEMICAL PROPERTIES	
Appearance	Orange Liquid
Viscosity	Min. 1600° cps @ 73° F ± 2° F
Density	8.05 ± 0.2 lbs/gallon
Shelf Life	2 Years from Mfg. Date

SET TIME / CURE 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



ASTM F493, NSF Standard 61 for DWV and Sewer Waste, IAPMO Listed

PRODUCT NUMBER	SIZE	DESCRIPTION	CTN. QTY
31082	16 oz.	CPVC Heavy Duty Orange Cement	24
31083	32 oz.	CPVC Heavy Duty Orange Cement	12
31084	Gallon	CPVC Heavy Duty Orange Cement - Wide Mouth Can	6

*Corzan® is a registered trademark of The Lubrizol Corporation.



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DIRECTIONS

Store and use at temperatures between 40°F and 110°F.

- At temperatures outside of this range, special care must be taken to prepare good joints and prevent exposure to solvents.

Stir or shake before using; if jelly-like, don't use. Do not thin

1. Cut pipe ends square, chamfer and clean pipe ends.
2. Check dry fit of pipe and fitting. Pipe should easily go 1/3 of the way into the fitting. If 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.
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 ¼ turning motion until pipe bottoms.
9. Hold pipe and fitting together for 30 seconds to prevent pipe push-out - longer at low temperatures. Wipe off excess.
10. Allow 15 minutes for good handling strength and 2 hours cure time at temperatures above 60°F before pressure testing up to 180 psi. Longer cure times may be required at temperatures below 60°F or with pipe above 3".

DO NOT TEST WITH AIR

PRECAUTIONS

Read all information carefully before using this product.

DANGER!: CAUSES SERIOUS EYE IRRITATION. HARMFUL IF INHALED. MAY CAUSE DROWSINESS OR DIZZINESS. MAY CAUSE RESPIRATORY IRRITATION. REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING. Long term overexposure to solvents may cause damage to the brain, nervous system, reproductive system, respiratory system, mucous membranes, liver and kidneys. Contains a chemical classified by the US EPA as a suspected possible carcinogen. KEEP OUT OF REACH OF CHILDREN.

Precaution: Avoid breathing vapors. Use only outdoors or in a well-ventilated area. Use explosion-proof electrical/ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear a NIOSH-approved respirator for organic solvents. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Vapors may accumulate in low places and may ignite explosively. Keep container tightly closed and cool. Wear protective gloves and eye protection. Wash thoroughly after handling. Do not eat or drink while using this product.

Response: Specific treatment (see below).

EMERGENCY/FIRST AID: CALL 1-877-740-5015 FOR INSTRUCTIONS.

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Rinse mouth. This product may be aspirated into the lungs and cause chemical pneumonitis, a potentially fatal condition. **If IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. **If ON SKIN:** Rinse skin with water/shower. Take off immediately all contaminated clothing. **If INHALED:** Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell. If medical advice is needed, have product container or label at hand.

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 contents/ container in accordance with local regulations. Store in a well-ventilated space. Store locked up.