

# 112.51



## WHITE LIGHTNING™ FLAME BUSTER® INTUMESCENT SILICONE SEALANT

### PRODUCT DESCRIPTION

White Lightning™ FLAME BUSTER® Intumescent Silicone Sealant is a single-component, neutral cure sealant that is designed to:

- Resist the spread of fire, smoke, and toxic gases
- Expands at temperatures over 300°F
- Rapidly fill the void left by collapsed materials
- Seal combustible service penetrations through fire and smoke rated walls and floor separations

### BASIC USES

- Static/non-static pipes and conduits
- Chlorinated polyvinyl/chloride (CPVC) sprinkler pipes
- Cross-linked polyethylene process and supply tubing

### SPECIFICATION COMPLIANCE

Meets ASTM specifications E-814, UL1479, and UBC.  
Meets ASTM specifications C-920 Type S, Grade NS, Class 25, Use NT, M, G, A, O.

### PRODUCT AVAILABILITY

Color	Order #	Size
Red	WL8801010	10 FL OZ

### Properties

Cure Time:	14-21 Days
Type:	One Part Silicone Sealant
Color:	Red
Shelf Life:	12 Months
Cure	Neutral, Moisture Cure
Application	-20°F to 122°F
Service	-14°F to 230°F
Free Expansion Volume:	> 6 Times Original Volume When Heated at 662°

### Performance Data

Surface Burning Characteristics	ASTM E-84	Flame Spread Index – 0 Smoke Developed – 27
Linear Coverage:	1/8" Bead Application	96.7 ft
	1/4" Bead Application	24.2 ft

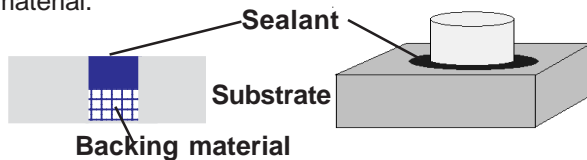


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## PREPARATION & USE

Voids in walls and floors should be filled with mineral wool or other appropriate backing. Recess the backing material enough to accommodate the appropriate amount of the sealant.

**JOINT DESIGN** should not be more than 1/2" in width or depth. Joints deeper than 1/2" should be filled to within 1/2" of the surface with the appropriate backing material.



**THROUGH-WALL OPENINGS** should be designed to have limited excess opening beyond what is required for the piping, drain, etc. that is going through the wall. Fill with backing material to within 1/2" of the surface on both sides and finish with the sealant.

**PREPARATION:** Surfaces to be caulked/sealed must be clean, dry and free from oils, loose mortar, laitance, form release agents, old caulking, old paint or other contaminants. Allow new concrete to cure for 30 days before caulking.

**MASKING:** Mask areas that are not to be caulked/sealed. Remove masking immediately after tooling BEFORE a skin has formed on the caulk/sealant.

**APPLICATION:** Cut nozzle at 45° angle to the desired orifice /bead size. Keep nozzle pressed against the surface and slowly draw along seam. Apply a uniform, continuous bead.

**TOOLING:** Tool caulk with appropriate tool to ensure firm, full contact with the surface or the joint. If necessary, **smooth the surface with wet finger or spatula** and wipe off the excess with a water-dampened rag.

**PRIMING:** FLAME BUSTER® Sealants do not require priming for most common building materials, although some surfaces may require a primer. A trial application is recommended before beginning a project.

**PAINTING:** NOT paintable.

**CLEAN-UP:** Clean tools and excess sealant with soap and water or a damp cloth while still wet.

## LIMITATIONS

Not for use below grade, on aquariums, or for marine use below the water line.

Never use in architectural joints, joints subject to heavy abrasion, wear or joints frequently under water.

Apply at temperatures above minus 20°F.

For indoor and exterior use.

Do not apply when rain or moisture is expected.

Do not apply to frozen or frost covered surfaces.

**SHELF LIFE:** White Lightning™ FLAME BUSTER® Intumescent Silicone Sealant will exhibit a 12 month shelf life from the date of manufacture when stored at room temperature.

## PRECAUTIONS

Use only with adequate ventilation. Water/humidity causes curing which releases methyl ethyl ketoxime vapors. Methyl ethyl ketoxime may cause cancer, based on animal data, and can cause blood damage. Risk to your health depends on level and duration of exposure. To avoid overexposure, open windows and doors or, use other means to ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Do not transfer contents to other containers for storage.

First Aid:

In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. In case of skin contact, wipe off with cloth and wash thoroughly with soap and water. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately.

COVERAGE IN LINEAL FEET ONE CARTRIDGE (10, 10.1, 10.3 FL. OZ.)					
		Depth in Inches			
		1/8"	1/4"	3/8"	1/2"
Width in Inches	1/8"	99			
	1/4"	49	24		
	3/8"	33	20	11	
	1/2"	24	12	8	6
	5/8"	20	10	7	5
	3/4"	16	8	6	4
	7/8"	14	7	5	4
	1"	12	6	4	3

When using this reference chart, you MUST consider the physical limitations of the product you are using. Not all products can be used in the gap sizes shown.