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WHITE LIGHTNING® FLAME BUSTER™

HIGH HEAT FIRE & SMOKE BLOCKING SILICONE SEALANT

PRODUCT DESCRIPTION

White Lightning® FLAME BUSTER™ High Heat Fire & Smoke Blocking Silicone Sealant is a one component low modulus sealant designed for wall and floor applications. It forms a water-resistant seal that will also resist smoke, toxic gases, ultraviolet radiation and ozone.

BASIC USES

- Seals service penetrations in fire and smoke rated walls or floor separations
 - Will withstand temperatures up to 300°F
 - Resists cracking
 - Can be applied at temperatures from -20°F to 122°F
- For use on:
- Aluminum
 - Gypsum
 - CPVC
 - Steel
 - Power/communication cables
 - Static/non-static pipes and conduits
 - Pre-cast concrete
 - Wall board
 - PVC

SPECIFICATION COMPLIANCE

Meets ASTM C-920 Type S, Grade NS, Class 25, Use NT, M, G, A, O and CAN/CGSB-19. 13M87, Class MCG-2-25-A-L.

Also tested accordance to ASM E-84, UL1479, UL2079, ASME E-814, and UBC 7-5.

PRODUCT AVAILABILITY

Color	Order #	Size
Red	WL8802020	10 FL OZ

Properties

Cure Time:	14-21 Days
Cure Method:	Neutral, Moisture Cure
Application	-20°F to 122°F
Service	-60°F to 300°F
Mildew	Good
Water	Excellent

Performance Data

100% Modulus	ASTM D412	45 psi (0.310 MPa)
Elongation at Break	ASTM D412	600%
Tear Strength	ASTM D624, die 'C'	35 ppi (6.13 kN/m)
Hardness	ASTM D2240, Shore A	20-25
Dielectric Strength	ASTM D149	479 V/mil (19.0 kV/mm)
UPITT Combustion Toxicity	LC50	33 grams
Surface Burning Characteristics	ASTM E-84	Flame Spread Index – 3 Smoke Developed – 22
Linear Coverage:	1/8" Bead Application	96.7 ft
	1/4" Bead Application	24.2 ft



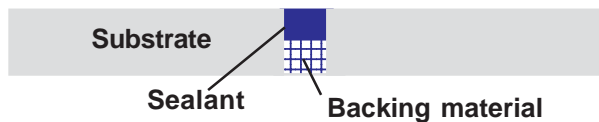
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PREPARATION & USE

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: Joints 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.



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. Load cartridge into a caulk gun and puncture the inner seal. Squeeze trigger to start flow of material. 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: (Temperature and Humidity Dependent) Can be painted after 30 minutes at 75°F and 50% relative humidity. For best results, a minimum of 2 hours dry time is required before painting with latex or oil base paint. Allow extra dry time during periods of high humidity and/or cool temperatures.

Always use a shellac sealer before applying lacquer.

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™ High Heat Fire & Smoke Blocking Silicone Sealant will exhibit a 12 month shelf life from the date of manufacture when stored at room temperature.

PRECAUTIONS

Cautions: 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.