



**FLAME CONTROL NO. 60-60A**

15 Minute Thermal Barrier on Spray Polyurethane Foam  
A Low VOC, Water Based Product

**Product Description:**

Flame Control No. 60-60A has met the criteria for use as a 15-minute thermal barrier on Spray Polyurethane Foam (SPF). No. 60-60A is a low VOC, water-based intumescent coating that dries to a flat finish.

No. 60-60A was subjected to flammability testing per NFPA 286 and successfully met the criteria listed in the 2006, 2009, 2012, and 2015 International Building Code (IBC) and International Residential Code (IRC)

Flame Control No. 60-60A is approved for use as an alternative thermal barrier per IBC Section 2603.9/IRC R316.6

60-60A is AC-456 Compliant

**Evaluation Report: IAPMO ER 596      Section: 09 96 43 – Fire Retardant Coatings**

**Characteristics:**

<b>Finish</b>	Flat	<b>Shelf Life</b>	1 Year
<b>Color</b>	White, Black, Tints	<b>VOC</b>	Less Than 40 g/l
<b>Type of Cure</b>	Coalescence	<b>Flash Point</b>	None
<b>Application Temperature</b>	50°F (10°C) *** See Application Temperature Section	<b>Reducer/Cleaner</b>	Water
<b>% Solids</b>	70%	<b>Packaging</b>	5 & 55 gal. containers
<b>Tinting</b>	Universal Paint Colorant: 2 Fluid ounces per gallon maximum	<b>Application</b>	Brush, Roller, Spray
<b>Drying Time @ 77°F (25°C) &amp; 50% R.H.</b>	<b>To touch: 1- 2 Hours To Recoat: 2 – 4 hours</b>	<b>Thermal Barrier Spread Rate</b>	20 mils WFT: 80 Sq. Ft/Gallon 18 mils WFT: 89 Sq. Ft/Gallon 16mils WFT: 100 Sq. Ft/Gallon 14 mils WFT: 115 Sq. Ft/Gallon

**Surface Preparation:**

All surfaces to be painted must be clean and cured. The foam must be firm, dry and free of dust, dirt, oil, wax, grease, and mildew. The quality of any paint job is only as good as the surface preparation that precedes the paint application. Flame Control 60-60A has excellent bonding characteristics and will adhere to most sound, clean, foam surfaces. Make sure the surface of the foam is free of holes, exposed cells, and that the surface is stable and not crumbling or deteriorated. If any defects are found, repair them prior to proceeding.

Mildew should be removed by scrubbing with a 25% solution of household bleach water. Tri-sodium phosphate (TSP) or common laundry powder such as Tide may be added to solution to assist removal.

**Temperature:**

**60-60A** is water-based coating which will freeze at temperatures below 32°F. Care should be taken to protect the material from freezing. Should 60-60A freeze, warm the material and thoroughly mix prior to application. It is recommended to store material at temperatures above 50°F. For temperatures below 50°F, refer to the 60-60A cold weather instructions on page 2 of this document. 60-60A has been subjected to freeze-thaw testing and is suitable for use even if the material has been frozen.

**Humidity:** When 60-60A is installed in areas of high humidity or unconditioned spaces prone to moisture, a compatible protective topcoat is recommended.

**Important:** During Application, humidity 65% and higher must use fans to move air for curing. High humidity may require longer cure times.

Please consult with your local code officials to verify that your application complies with the appropriate code requirements.



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### Material Preparation:

**60-60A** must be thoroughly mixed before application. Failure to do so will compromise the protective capabilities of Flame Control 60-60A. We recommend mechanical stirring with a high-speed drill and a paddle appropriate for the size container. Contents should be stirred to a creamy consistency with no lumps.

**60-60A** is a water-based product and slight thinning will not hurt the product. It should be noted that thinning increases the likelihood of not applying the proper film thickness, resulting in decreased fire protection capabilities. It is the sole responsibility of the applicator to ensure the proper film thickness has been applied.

**60-60A** should never be mixed with other materials, however tinting using universal paint tint is acceptable. 60-60A can be tinted up to a maximum of 2 fluid ounces per gallon (10 ounces per 5-gallon pail).

### Application Equipment:

**60-60A** can be applied by brush, roller or airless sprayer.

**Brushing:** Use top quality polyester/nylon blend brushes

**Rolling:** 3/8" polyester blend nap roller covers generally work well when applying **60-60A** by roller.

### Spraying:

#### Airless Spray Minimum:

**PSI:** 2500 PSI or higher or equivalent

**Filter:** 30 mesh, removal of filter is recommended from gun and machine

**Hose:** 1/4" diameter airless spray line for the first 50' from pump and 1/4" x 6' whip

**Tip:** 521 - 527

**GPM:** .70

For best results use, Hose: 3/8" diameter airless spray line for the first 50' from pump and 1/4" x 6' whip and no filters in the gun and machine.

### Workmanship:

**General:** Apply **60-60A** according to manufacturer's written instructions. Use applicators and techniques best suited to the type of foam being applied. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to forming a durable paint film. Paint surfaces behind movable equipment and furniture the same as similar exposed surfaces.

**60-60A** may be applied in a single coat. 60-60A will resist sagging and dripping when applied at thicknesses up to 35 mils WFT.

**Coverage:** Check test report for square feet per gallon and mil thickness. Example: At a rate of approximately 20 wet mils @ 80 square feet per gallon, application dry film thickness (DFT) will be approximately 12.1 mils. The medallion method was utilized during testing to measure dry film thickness. Actual coverage rates will vary based on surface texture, overspray, and transfer losses. Please allow a minimum of 5-10% overspray and loss rate when estimating and applying coating.

The application rate should be adjusted for surface texture, overspray, and miscellaneous losses. Refer to SPFA-121 "Spray Polyurethane Foam Estimating Reference Guide" for specific determination methods.

The use of an overlapping technique is recommended to ensure that a uniform amount of coating is applied onto the foam surface. The applicator should adjust the spray pattern and technique so that each application stroke overlaps by 30%.

### Cold Weather Application:

**60-60A** is a unique water-based intumescent coating formulated to be cold weather tolerant. 60-60A can be applied when ambient temperatures are as low as 35°F.

When the temperature is below 45°F, 60-60A can be thinned at the rate of 2 fluid oz. per gallon. Simply add the water to 60-60A while drill mixing the coating and continue to mix until the water has been thoroughly incorporated into the coating. **Full Curing time:** 7 Days



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### For Smaller Jobs Residential and Small Warehouses:

**Pump:** (Titan) 740 Impact or equivalent

**PSI:** 3300 / 227

**GPM:** .80

**Tip:** 525 – 531 or equivalent.

**Filter:** 30 mesh, removal of filter is recommended from gun and machine

**Hose:** 1/4" diameter airless spray line for the first 50' from pump and 1/4" x 6' whip

**Pump:** (Graco) Ultra Max II 795 Hi-Boy or equivalent

**PSI:** 3300 / 227

**GPM:** .95

**Tip:** 525 – 531 or equivalent.

**Filter:** 30 mesh, removal of filter is recommended from gun and machine

**Hose:** 1/4" diameter airless spray line for the first 50' from pump and 1/4" x 6' whip

**Pump:** (SprayTex) GPX 130 or equivalent

**PSI:** 3300 / 227

**GPM:** 1.30

**Tip:** 525 - 531 or equivalent.

**Filter:** 30 mesh, removal of filter is recommended from gun and machine

**Hose:** 1/4" diameter airless spray line for the first 50' from pump and 1/4" x 6' whip

### For Best results: For all Jobs, big or small:

**Pump:** (Graco) Mark 4 or 5 or equivalent

**PSI:** 3300 / 227

**GPM:** 1.35

**Tip:** 525 - 533 or equivalent.

**Filter:** 30 mesh, removal of filter is recommended from gun and machine

**Hose:** 3/8" diameter airless spray line for the first 50' from pump and 1/4" x 6' whip

### For 55-gallon Drums:

**Pump:** (Graco) GH 300 or equivalent

**PSI:** 3300/ 227

**GPM:** 3.0 / 11.4

**Tip:** 525 - 537 or equivalent.

**Filter:** 30 mesh, removal of filter is recommended from gun and machine.

**Hose:** 3/8" diameter airless spray line for the first 50' from pump and 1/4" x 6' whip

**Pump:** (Graco) GH 833 or equivalent

**PSI:** 4000/ 276

**GPM:** 3.0 / 11.4

**Tip:** 517 - 537 or equivalent.

**Filter:** 30 mesh, removal of filter is recommended from gun and machine

**Hose:** 3/8" diameter airless spray line for the first 50' from pump and 1/4" x 6' whip

### Checklist Before You Start:

- ✓ **Humidity** - Is the relative humidity less than 65%?
- ✓ **Consistency** - Are the contents thoroughly mixed?
- ✓ **Surface** - Are all substrates clean, dry and sound?
- ✓ **Measurement** - Wet film gauge on site?
- ✓ **Need help** - Call 716-282-1399
- ✓ Correct spray tips – 521-527 recommended
- ✓ Airless sprayer with minimum .07 GPM
- ✓ Power drill & mixer of appropriate size
- ✓ Portable fans to speed drying
- ✓ Work lights for tight areas