Product Description:

Flame Control E-119 2 Hour is a water-based, interior, intumescent, latex paint designed for use on walls to increase the time rating of the drywall assembly. Flame Control E-119 2 Hour has been tested in accordance with ASTM E-119 test methodology and has achieved a two hour rating (wall construction assembly listed separately) while also successfully passing the hose stream test.

Flame Control E-119 2 Hour is a low VOC product, and can be Topcoated with Flame Control 40-40A or 400 for varying appearance and added durability. Flame Control E-119 dries to a flat finish while having the appearance of conventional flat latex paint. In the presence of heat, Flame Control E-119 2 Hour intumesces or puffs up, forming a dense protective char that insulates the substrate.

Flame Control E-119 2 Hour can be applied in a single coat, saving application time and reducing labor costs.

Characteristics:

Finish	Flat	**Shelf Life**	1 Year
Color	Off-White	**VOC**	Less Than 40 g/l
Type of Cure	Coalescence	**Flash Point**	None
Application Temperature	50°F (10°C) *** See Application Temperature Section	**Reducer/Cleaner**	Water
Solids By Weight	65%	**Packaging**	1, 5 & 55 gal. containers
Tinting	Universal Paint Colorant: 2 Fluid ounces per gallon maximum	**Application**	Brush, Roller, Spray
Drying Time @ 77°F (25°C) & 50% R.H.	**To touch: 1- 2 Hours** **To Recoat: 2 – 4 hours**	**2 hour rating spread rate**	20 mils WFT/10.3 mils DFT: 80 Sq. Ft/Gallon

Surface Preparation:

All surfaces to be painted must be clean and cured. Surface preparation should be carried out according to good painting practices. All dirt, grease, oil, wax, and other surface contaminants should be properly removed prior to application of Flame Control E-119 2 Hour intumescent coating

Previously Painted Surfaces:

Flame Control E-119 2 Hour coating may be applied directly to existing paint that is tightly adherent and in good condition. All glossy surfaces should be dulled with sandpaper. Spot priming where necessary should be carried out to ensure proper adhesion and dry film thickness.

Temperature:

Flame Control E-119 2 Hour coating is a water based product which will freeze and become unusable at temperatures below 32°F. PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at temperatures below 50°F. Do not apply Flame Control E-119 2 Hour when ambient air and substrate temperatures fall below 50°F. Store between 50°F and 80°F.

Important:

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.

Material Preparation:

Flame Control E-119 2 Hour must be thoroughly mixed before application. Failure to do so will compromise the protective capabilities of Flame Control Flame Control E-119 2 Hour. We recommend mechanical stirring with a high speed drill and a paddle appropriate for the size container. Contents should be stirred from the bottom up, making sure to scrape the bottom and sides with a paint stick as you go. Contents should be stirred to a creamy consistency with no lumps.

Flame Control E-119 2 Hour is a water based product and slight thinning will not hurt the product (less than 5%). 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.

Flame Control E-119 2 Hour should never be mixed with other materials, however tinting using universal paint tint is acceptable.

Application Equipment:

Flame Control E-119 2 Hour 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 Flame Control E-119 2 Hour by roller.

Spraying:

Airless Spray Minimum:

PSI: 3000 PSI or higher or equivalent
Filter: 30 mesh, removal of filter is recommend from gun and machine
Hose: 1/4" diameter airless spray line for the first 50' from pump and ¼" x 6' whip
Tip: 517 – 531
GPM: .95

For best results, use Hose: 3/8" diameter airless spray line for the first 50' from pump and ¼" x 6' whip and no filters gun and machine.

For Smaller Commercial and Residential Jobs:

Pump: (Titan) 740 Impact or equivalent
PSI: 3300 / 227
GPM: .80
Tip: 517 – 531 or equivalent.
Filter: 30 mesh, removal of filter is recommend from gun and machine
Hose: 1/4" diameter airless spray line for the first 50' from pump and ¼" x 6' whip

Pump: (Graco) Ultra Max II 795 Hi-Boy or equivalent
PSI: 3300 / 227
GPM: .95
Tip: 517 – 531 or equivalent.
Filter: 30 mesh, removal of filter is recommend from gun and machine
Hose: 1/4" diameter airless spray line for the first 50' from pump and ¼" x 6' whip

Pump: (SprayTex) GPX 130 or equivalent
PSI: 3300 / 227
GPM: 1.30
Tip: 517 - 531 or equivalent.
Filter: 30 mesh, removal of filter is recommend from gun and machine
Hose: 1/4" diameter airless spray line for the first 50' from pump and ¼" 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: 517 - 533 or equivalent.
Filter: 30 mesh, removal of filter is recommend from gun and machine
Hose: 3/8" diameter airless spray line for the first 50' from pump and ¼" x 6' whip