



Flame Control Mastic 77F



Flame Control Mastic 77F – Water base fire retardant coating

- Prevents propagation of fire along cable surfaces
- For electrical cables and supporting trays
- High resistance to deterioration



Flame Control Mastic 77F

Flame Control Mastic 77F is a water base fire retardant coating, compounded from proprietary fire retardant resins, chemicals, and non asbestos reinforcing fibres. It has been designed for use on grouped electrical cables and their supporting trays. F.C.M. 77F prevents the propagation of fire along the cable surfaces, and greatly increases the fire endurance time of supporting trays. F.C.M. 77F contains no flammable solvents, and therefore, presents no fire hazard while being applied. However, due care must be exercised when applying F.C.M. 77F, as it is a conductor of electricity while wet.

Physical Properties

Colour	Off white	
Weight per litre	1.43 kg ± 2%	
Consistency	Thixotropic	
Solids by weight	68.5%	
Solids by volume	56%	
Abrasion resistance	Excellent, dries to a tough hard finish	
Flexibility	Excellent, withstands normal expansion and contraction	
Appearance	Spraying results in a textured fine stucco like finish	
Application Consistency	F.C.M. St.	Brush, hand, airless spray, trowel
Coverage	1 st layer approx.	1,0–1,2ltr./m ² (0,6-0,7 mm dry layer thickness)
	2 nd layer approx.	1 ltr./m ² (0,6 mm dry layer thickness)
Drying time	Surface dry	2 hours
	Through dry	24 hours
Flash point (wet)	Subject to conditions, non flammable (ASTM D93-72)	
Surface flame spread	Dry	9,6 (ASTM E84)

Application

Flame Control Mastic 77F can be applied by brush or spray. However, spray application is recommended, as a more uniform coverage can be obtained. Spraying should be done by heavy duty conventional or airless spray equipment, to achieve a minimum wet film thickness of 2 mm; dry film thickness of 1.1 mm (2,86 kg/m²).

Surface preparation: All dirt, oil, grease and other foreign matter must be removed. Mask off surfaces not designated for coating. All overspray should be cleaned up immediately.

Drying time: Dries by water evaporation. Under normal atmospheric conditions, a 2 mm coating will dry to touch within 2 hours, hard dry in 24 hours. It continues to cure to a very tough film that is resistant to deterioration from flaking, impact, vibration and temperature changes. Will not dust, flake or spall. Thinning and equipment clean-up: Thinning is not recommended.

For equipment clean-up, use water only.

Storage

Flame Control Mastic 77F must be protected from freezing at all times, and should be stored at temperatures between +5 and 35°C.