

**PRODUCT DATA SHEET**

REF: OCTOBER 05.

**STAR FIRE®****INTUMESCENT COATING**

<b>GENERIC TYPE :</b>	Single package, Solvent Based, High-Quality Intumescent Fireproofing for steel structures	
<b>GENERAL PROPERTIES :</b>	Star Fire is a Solvent Based, Intumescent fireproofing Material for steel structures, concrete and other construction material Star Fire is fireproof coating Specifically designed for Interior exterior applications in demanding environments Star Fire meets all ASTM-E119-05A/07, BS 476 pt 21 regulations and contains No asbestos. It may be applied by spray trowel, or brush.	
<b>RECOMMENDED USES :</b>	At 500 Microns dry film thickness. Star Fire is a fireproofing of steel structures, concrete and the other construction materials, Factories, Warehouses, Airport terminals, Pharmaceutical facilities, Shopping Centers.	
<b>NOT RECOMMENDED :</b>	Immersion Service.	
<b>PHYSICAL DATA :</b>	Colour	OFF-WHITE , GREY
	Solid	78±3%
	Specific Gravity	1.22 ± 5% at 20°C
	Hardness (Shore D)	30-40
	Flexibility	Good
	Abrasion Resistance	Very Good
	Impact Resistance	Excellent
	Packaging	5 US.Gallon

**CHEMICAL RESISTANCE GUIDE****EXPOSURE**

Acids  
Alkalies  
Solvents  
Salt  
Water

**SPLASH AND SPILLAGE**

Fair  
Fair  
Fair  
Very good  
Good

**FUMES**

Very good  
Very good  
Good  
Very good  
Very good

**APPLICATION INSTRUCTION**

**SURFACE PREPARATION:** The Substrate should be clean, dry and free from grease and oil

**THE SOCIETY FOR PROTECTIVE COATING (SSPC)**

- 1.) SSPC - SP 1 Solvent Cleaning
- 2.) SSPC - SP 2 Hand Tool Cleaning
- 3.) SSPC - SP 3 Power Tool Cleaning
- 4.) SSPC - SP 6 Commercial Blast Cleaning

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<b>MIXING :</b>	Mix to a uniform consistency before using. It needed, thin with Xylene Solvent 3-5% by volume.
<b>CURING TIMES :</b>	Normal Drying time for <b>STAR FIRE</b> at a 3 Hours (Dry to recoat), 24 Hours (Dry to touch) at condition 70°F (21°C) and 50% relative humidity and final cure in 5 days at same conditions. (These times are dependent on thickness, humidity and temperature)
<b>STORAGE CONDITIONS :</b>	STORE INDOORS
<b>ON TEMPERATURE :</b>	40-110°F (4-43°C)
<b>APPLICATION :</b>	The following equipment is recommended as a guide and suitable equipment from other manufacturer 's maybe use. Adjustment of pressure and tip size maybe need to achieve the spray characteristic.
<b>AIR SPRAY :</b>	Industrial equipment such as GRACO 800 Air spray gun. Separate Air and fluid pressure regulators, mechanical pot agitator and moisture trap in the main air supply line are recommended.
<b>BRUSH AND ROLLER :</b>	Roller and brushing are the most recommended and economical application method which are widely used brushing leaves a uni-directional fine texture.

**SAFETY PRECAUTION**

Avoid contact with skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream if possible. Ensure adequate ventilation during application. Keep out of reach of children.

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"MORE THAN A GOOD SERVICE 24 HOURS"

- Generic Type** : Acrylic fire proofing intumescent solvent based coating.
- Uses** : Interior protection and decoration for steel structures or general metal surfaces.
- Special Features** : STAR FIRE is good quality acrylic based and can be apply with high build more than 250 microns, Easy to apply, Good adhesion
- Appearance** : Semi - Gloss
- Colour** : OFF-WHITE , GREY
- Drying Time (30°C)** : Dry to recoat 3 hours  
Surface Dry 4 hours  
Hard Dry 7-10 days  
Dry to topcoat more than 10-12 hours
- Film Thickness** : 100 - 150 microns/coat when apply by brush or roller  
200 - 250 microns/coat when apply by speay
- Coverage** : 22 Sq.M / pail /@500 Microns (Approx.)
- Thinner** : Starfire Thinner
- Standard Packing** : 5 Gallons
- Surface Preparation** : Remove dust, grease, oil and other foreign matters. Ensure that surface is clean and dry. The surface should be appropriately primed.
- Paint Preparation** : After stir the paint thoroughly. Dilute with Starfire Thinner, Thinner up to 5-10% when apply by brush or roller, and 15% when apply by spray.
- Application Method** : Brush, Roller or Spray

**Remarks** : •This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of **STARTEX (THAILAND) CO.,LTD.** It relates only to the specific material designated herein. and does not relate to use in combination with any other material or in any process.  
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•Hazard information on product is estimated as a mixture based on that of individual raw materials.

**Note** : Figures given are average for reference. Actual figures may vary, depending on conditions.

**Quality Product BY** : STARTEX (THAILAND) CO.,LTD.  
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