



**TECHNICAL DATA SHEET**

**AMBER INTUMESCENT PAINT W**

<b>PRODUCT DESCRIPTION</b>	Quick drying one component intumescent, water-based coating for fire protection of walls and concrete surfaces.
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<b>RECOMMENDED USES</b>	It is used to provide protection on concrete structure work. Protection on concrete beams and columns up to 4 hours. Due to its fast drying properties and rapid recoatability is also suitable for application on concrete and cementitious surfaces and in fabrication shop.
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**TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	White
<b>FINISH, DRY FILM</b>	Smooth / Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	54 ± 2%
<b>SOLID BY WEIGHT</b>	66 ± 2%
<b>SPECIFIC GRAVITY</b>	1.35 ± 0.05
<b>THEORETICAL SPREADING</b>	2.70 M <sup>2</sup> /Ltr. – 1.80 M <sup>2</sup> /Ltr.
<b>RECOMMENDED DFT (DRY FILM)</b>	200 – 300 Microns/Coat
<b>RECOMMENDED WFT (WET FILM)</b>	370 – 555 Microns/Coat
<b>NOTE</b>	An experienced applicator can apply up to 680 microns per coat using Airless spray.

**DRYING TIME**

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time).	
<b>TOUCH DRY</b>	2 - 4 hours
<b>DRY TO RECOAT</b>	24 hours.
<b>HARD DRY/FULL CURE</b>	36 hours.



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### ADVANTAGES

<b>AMBER INTUMESCENT PAINT SYSTEM</b>	Single component system, quick drying and easy to apply and effective for concrete surfaces. Provides protection on concrete up to 4 hours.
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### APPLICATION INSTRUCTION

<b>SURFACE PREPARATION</b>	The surface to be coated must be thoroughly cleaned. On new surfaces a good mechanical cleaning or washing is enough to remove dust, dirt and oil. The quantities and the thickness will depend on the required fire protection class and profile section factor.
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### APPLICATION DATA

<b>APPLICATION METHOD</b>	Airless, Spray, Brush, roller
<b>CLEANING/THINNING</b>	Water
<b>THINNER (VOLUME)</b>	Ready to use, when applied by spray equipment, otherwise and if necessary, use up to 10% thinning with water.
<b>CONV. SPRAY REQUIREMENTS</b>	Possible
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure : 120 – 150 Bar (1700 – 2125 psi)
<b>NOZZLE SIZE</b>	0.018” – 0.021”
<b>MIXING RATIO (BY VOLUME)</b>	One Pack
<b>POT LIFE @ 30°C (100 ml)</b>	NA

### SYSTEM

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	Amber Acrylic Primer (W.B)	1 coat
	Amber Intumescent Paint-W : Thickness depend on the required fire protection class. (Consult Technical Department).	
	Can be coated with alkyd based coatings or water based acrylic coatings is highly recommended. The use of Amberthane top coat in any shade is also recommended.	



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### ADDITIONAL DATA

<b>SHELF LIFE @ 30°C</b>	6 months, in original sealed container, with proper storage conditions.
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### HEALTH & SAFETY

<b>SAFETY PRECAUTIONS</b>	Generally, most of the water base paints are quite safe to handle with due precautions. As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area. Local safety regulations to be followed.
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### STORAGE & HANDLING

<b>STORAGE</b>	Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.
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