

UNIQUE INTUMESCENT PAINT - S

PRODUCT DESCRIPTION :

Unique intumescent - S is a solvent base fire retard coating . It 's dries quickly . Upon exposure to fire or excessive heat, the coating puffs up and forms a thick, dense, cellularform to have required fire protection on structural steel.

RECOMMENDED USE :

Suitable for use as an intermediate coat on general structural steel components such as columns and roof frameworks.

TECHNICAL INFORMATION :

Type	Acrylic Solvent Base Fireproofing
Color	White
Film Appearance	Matt
Solid Content (%)	78±2
Specific Gravity	1.41 - 1.43
Wet Film Thickness	500 microns
Dry Film Thickness	250 microns
Theoretical Coverage	1 sqm. / kg @ 500 microns
Remark - The coating thickness ranges from 500 to 3,500 microns, depending on the required fire resistance rating.	
Touch Dry (25-30 °C)	1-2 hours.
Recoat Dry (25-30 °C)	4 hours.
Hard Dry (25-30 °C)	72 hours.

PRODUCT STANDARD :

ISO 834 : Test Methods for The Determination of the Fire Resistance of Elements of Building Construction. (Accredited Laboratory)
Fire Resistance Rating : 1 - 2 Hours

APPLICATION :

Tools	Roller / Brush / Airless Spray
Mixing / Cleaning	THINNER 4K NO.10 / Acrylic Thinner
Dilution (%)	15-20 %

APPLICATION SYSTEM :

Surface preparation
The steel surface to ensure it is free from oil, grease, rust, salts, dust, and other contaminants that may affect paint adhesion.

Degreasing
Clean the surface using suitable solvents or industrial degreasers to remove all traces of oil and grease. Wipe down with clean rags soaked in thinner if necessary.

Rust removal	Perform abrasive blasting to achieve ISO 8501-1 Sa 2.5 or SSPC-SP 10 (Near White Metal Blast Cleaning) for optimal cleanliness. If blasting is not possible, use mechanical cleaning tools (e.g., wire brushing, grinding) to meet ISO 8501-1 St 3 (Very Thorough Manual Cleaning).
Painting System (Enamel)	
Primer Coat	NEOCOAT PRIMER
Fireproof Coat	UNIQUE INTUMESCENT PAINT - S
Topcoat	NEOGLOSS ENAMEL COLOR
Painting System (Epoxy)	
Primer Coat	SUPERGUARD ZINC H / SUPERGUARD HB-SS
Fireproof Coat	UNIQUE INTUMESCENT PAINT - S
Topcoat	SUPERGUARD FX-G COLOR (Interior) SUPERGUARD PU 777 COLOR (Exterior)
Recommendation	The surface to be painted should have a temperature between 10–50°C, and the relative humidity should not exceed 85%.

AIRLESS SPRAY APPLICATION :

Spray Tip Model	No.311
Type	Airless Spray Tip
Application	Fine Finish and Medium-Sized Surface Coating
Orifice Size	0.311 inches (0.79 mm.)
Fan	60°
Flow Rate	0.6-0.9 Gl./Hr.
Output Pressure	2500-3000 PSI

HANDLING AND STORAGE :

Storage	The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.
Shelf Life	2 years
Packing	18.925 Ltr.

HEALTH AND SAFETY :

	Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.
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