

Technical Data Sheet

NEOCOAT INTUMESCENT PAINT - W

PRODUCT DESCRIPTION :

Neocoat intumescent - W is a water base fire retard coating . It 's dries quickly . Upon exposure to fire or excessive heat, the coating puffs up and forms a thick, dense, cellular form 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 Water Base Fireproofing
Color	White / Grey
Film Appearance	Matt
Solid Content (%)	76±2
Specific Gravity	1.25-1.30
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.

Remark - Drying time depends on weather conditions.

PRODUCT STANDARD :

ASTM E-119 : Test Methods for Fire Tests of Building Construction and Materials (Accredited Laboratory)

Fire Resistance Rating : 1 Hour

ISO 11890 : volatile organic compound (VOC) content

APPLICATION :

Tools	Roller / Brush / Airless Spray
Mixing / Cleaning	Clean Water
Dilution (%)	15-20 %

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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

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Topcoat

NEOGLOSS ENAMEL COLOR

Painting System (Epoxy)

Primer Coat

SUPERGUARD ZINC H / SUPERGUARD HB-SS

Fireproof Coat

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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



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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.(22 KGS.)

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.

