



NATIONAL FIRE RETARDANT PAINT

PRODUCT DESCRIPTION

A solvent based fire retardant paint, based on special resins and chemicals. The dried film gives good resistance against fire and protection to base substrate.

RECOMMENDED USES

As a fire retardant topcoat paint on wood, steel and concrete surface. At recommended thickness it has excellent fire retardant properties.

TECHNICAL DATA

COLOUR, DRY FILM FINISH, DRY FILM	White Smooth / Matt
VOLUME SOLIDS (ASTM D2697)	56 ± 2%
SPECIFIC GRAVITY	1.25 ± 0.05
THEORETICAL SPREADING RANGE	2.8 – 2.2 M ² /LTR
RECOMMENDED DFT RANGE (DRY FILM THICKNESS)	200 – 250 Microns/Coat (optimum dry film thickness 1000 microns) (approx.)
RECOMMENDED WFT RANGE (WET FILM THICKNESS)	360 – 445 Microns/Coat
FLASH POINT	32°C

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)

TOUCH DRY	2 – 3 hours
DRY TO RECOAT	24 hours
HARD DRY	48 – 72 hours

ADVANTAGES

NATIONAL FIRE RETARDANT PAINT SYSTEM

One component special resin based paint, easy to apply, excellent water, weather and U.V. resistance. Dry film has excellent fire retardant properties.



APPLICATION INSTRUCTION

SURFACE PREPARATION	<p><u>For metal:</u> Sandblast the surface to min. Sa2.5. Surface should be free of oil, grease, dust and loose particles. For mechanical cleaning surface should be sandblasted to min. St2. A sound prepared surface will lead to a better paint application. When used over old coating systems, the surface must be clean, dry and properly anchored.</p> <p><u>For wooden and concrete surfaces:</u> For optimum service life, the surface should be completely free of contaminants that might impair performance and should be treated to ensure good and permanent adhesion of the paint system. For removing dust and loose particles, cleaning by air blasting is recommended.</p>
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APPLICATION DATA

APPLICATION METHOD	Brush, Roller or Spray
CLEANING/THINNING	National Fire Retardant Thinner
THINNER (VOLUME)	5-15% depending on method of applications
CONV. SPRAY REQUIREMENTS	Pressure: 50 psi
AIRLESS SPRAY REQUIREMENTS	Pressure : 2200 psi
NOZZLE SIZE	0.018" – 0.020"
MIXING RATIO (BY VOLUME)	Not applicable
POT LIFE @ 30°C (100 ml)	Not applicable

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	For cementitious surface, metal and wood surfaces:
	Clean the surface and apply
	National Fire Retardant Paint: 4 – 5 coats (24 hours interval)
	(OR)
	System as specified

NATIONAL AND INTERNATIONAL TEST CERTIFICATES

1.	Test Certificate, Directorate of Civil Defence, ABU DHABI, UAE	Fire resistance up to 120 minutes.
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ADDITIONAL DATA

SHELF LIFE @ 30°C	18 months, in original sealed container, with proper storage conditions.
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HEALTH & SAFETY

SAFETY PRECAUTIONS

As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and airmask 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 airmask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.

This as industrial product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.

STORAGE & HANDLING

STORAGE

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.

NOTE: We warranty only the quality of our product and this data sheet is based on results obtained from experience and tests. We reserve the right to change data without prior notice. For surface preparation, safety details refer specifier and safety data.

This data sheet supersedes all previous issued.
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