



NATIONAL FLUORESCENT PAINT
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL FLUORESCENT PAINT

PRODUCT DESCRIPTION	High visibility based on solvent based Acrylic Resins. The paint contains special Fluorescent pigments, which provides a reflective finish, thereby enhances surface visibility in low-light conditions. The paint with fluorescent effect is useful for all types of surfaces.
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RECOMMENDED USES	Suitable for application on cementitious surface, woodem surfaces. Marking of road sign, with excellent fluorescent effect. The fluorescent effect is better on National Acrylic Rock Topcoat (Matt). The fluorescent paint has limited outdoor exposure, however can be overcoated with Nationalthane Clear for better performance. Regular maintenance is recommended for the painted surface, on exposed area.
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TECHNICAL DATA

COLOUR, DRY FILM	Red, Orange, Yellow, Green & White
FINISH, DRY FILM	Smooth / Matt
VOLUME SOLIDS (ASTM D2697)	43 ± 2%
SPECIFIC GRAVITY	1.00 ± 0.05
THEORETICAL SPREADING	11.0 – 12.0 M ² /LTR
RECOMMENDED DFT (DRY FILM)	35 Microns/Coat
RECOMMENDED WFT (WET FILM)	80 Microns/Coat
FLASH POINT	25°C

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
TOUCH DRY	30 minutes
DRY TO RECOAT	5 – 6 hours
HARD DRY	12 – 14 hours

ADVANTAGES

NATIONAL FLUORESCENT PAINT	The dried film has good leveling properties, excellent fluorescent effects, good adhesion on various surfaces.
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APPLICATION INSTRUCTION

SURFACE PREPARATION	Before application, the surface should be sound, clean and free from oil, grease, loose particles, dust, etc. Application can be done by the recommended application method.
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APPLICATION DATA

APPLICATION METHOD	Spray, Brush or Roller
CLEANING/THINNING	National Fluorescent Thinner
THINNER (VOLUME)	5 – 15%, depending on method of application
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure : 1600 – 2200 psi
NOZZLE SIZE	0.017” – 0.019”
MIXING RATIO (BY VOLUME)	One pack
POT LIFE @ 30°C (100 ml)	N/A

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	Concrete Surfaces – National Acrylic Primer (S. B.) : 1coat (OR) – National Guard Primer
	Steel Surfaces – National Zinc Phosphate Epoxy : 1coat Primer
	Galvanized Steel Surfaces – National Wash Primer : 1coat
	National Acrylic Rock Topcoat (Matt) : 1 coat
	National Fluorescent Paint : 2 coats
	For better protection apply Nationalthane Clear : 1 coat

NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	ISO 11890-2	Local Regulatory Requirements



ADDITIONAL DATA

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

SAFETY PRECAUTIONS	<p>As a general rule, avoid skin and eye contact by wearing overalls, glove, 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.</p> <p>This 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.</p>
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STORAGE & HANDLING

STORAGE	<p>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.</p>
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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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