



NATIONAL GLOSS EMULSION
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL GLOSS EMULSION

PRODUCT DESCRIPTION	National Gloss Emulsion is a pure acrylic emulsion based paint with high quality pigments, having excellent durability and long lasting gloss retention with non yellowing property for exterior applications. It has very good alkali resistance with excellent water resistance. It is highly washable and has very low dirt pick up property. It has very good leveling and opacity. It contains anti fungal and anti bacterial additives.
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RECOMMENDED USES	National Gloss Emulsion is mostly suitable for the high gloss water based decorative requirements for interior or exterior applications of concrete, plaster, gypsum, brickwork, wood, masonry work etc. It provides a low odour high gloss finishes with long durability mostly suitable for the application of the area having less ventilation and exhausts. It can be used for National Ecosystem Topcoat also.
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TECHNICAL DATA

COLOUR, DRY FILM	As per the National Shade Card
FINISH, DRY FILM	Smooth / Glossy
VOLUME SOLIDS (ASTM D2697)	40 ± 2 %
SPECIFIC GRAVITY	1.17 ± 0.05 (For white and pastel colours)
THEORETICAL SPREADING	10 – 8 M ² /LTR
RECOMMENDED DFT (DRY FILM)	40 – 50 Microns / Coat
RECOMMENDED WFT (WET FILM)	100 – 125 Microns / Coat
FLASH POINT	Water Base

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
TOUCH DRY	1 hour
DRY TO RECOAT	4 – 6 hours
FULL DRY	24 hours



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ADVANTAGES

NATIONAL GLOSS EMULSION	Excellent durability, excellent UV & weather resistance, very good anti chalking property, long lasting gloss with non yellowing property, very good leveling and opacity, highly washable and very low dirt pick up, and low odour glossy coating.
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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 methods.
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APPLICATION DATA

APPLICATION METHOD	Roller, Brush or Spray
CLEANING/THINNING	Water
THINNER (VOLUME)	Water Max 10 % depends on method of application
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure: 2100 psi
NOZZLE SIZE	0.018" - 0.021"
MIXING RATIO (BY VOLUME)	NA
POT LIFE @ 30°C (100 ml)	NA

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	National Acrylic Primer (W.B.)	: 1 coat
	National Gloss Emulsion	: 2 coats
	Leveling the surface (if required)	
	National Stucco Filler (For Interior)	: 2 coats
	National Shield Exterior Filler (For Exterior)	: 2 coats

NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	USEPA 8260 GC - FID	Local Regulatory Requirements
2	Heavy Metals (Arsenic, Cadmium, Mercury, Lead, Hexavalent Chromium, Antimony, TBT, TPT)	ICP – AES IHP/GC-MS	Local Regulatory Requirements
3	Formaldehyde	USEPA 8260 / 3510	Local Regulatory Requirements
4	Crack Bridging Ability	ASTM C 836 / C836M – 12 (ASTM C 1305 – 08)	



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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	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

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 keep 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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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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