



**NATIONAL PLASTIC EMULSION
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

NATIONAL PLASTIC EMULSION

PRODUCT DESCRIPTION	National Plastic Emulsion is a PVA co-polymer based good quality, economical paint for interior applications. Basically it is a non-washable coating for masonry surfaces, having excellent recoatability. National Plastic Emulsion has very good brushability, with excellent flow and leveling and provides smooth, flat decorative finish. It has good hiding and coverage also. It has good adhesion on various substrates with suitable primer. It contains anti fungal and anti bacterial additives.
RECOMMENDED USES	National Plastic Emulsion is recommended as a general purpose and economical decorative finish for interior surfaces like concrete, plaster, blocks, asbestos, masonry, wood etc. it can be applied on stucco filler and gypsum board also for sealing the surfaces.

TECHNICAL DATA

COLOUR, DRY FILM	As per the National Shade Card
FINISH, DRY FILM	Smooth / Matt
VOLUME SOLIDS (ASTM D2697)	40 ± 2%
SPECIFIC GRAVITY	1.50 ± 0.05
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	2 – 4 hours
FULL DRY	24 hours

ADVANTAGES

NATIONAL PLASTIC EMULSION	Economical, smooth flat decorative finish, excellent recoatability, excellent flows and leveling, good hiding and coverage, good adhesion, etc.
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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)	10 – 15% depending on the method of application
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure: 2000-2500 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 PVA Primer Sealer for Masonry	: 1 coat
	(OR)	
	National PVA Primer White for Masonry	: 1 coat
	National Stucco Filler	: 2 coats
	National Plastic Emulsion	: 2 coats

NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	ISO 11890 – 2 USEPA – 24 GC - FID	Local Regulatory Requirements
2	Heavy Metals (Mercury, Lead, Cadmium, Hexavalent Chromium/ Arsenic/ Antimony)	ISO 3856 / ISO 2590 / ICP – OES	Local Regulatory Requirements
3	TBT / TPT / Halogenated / Hydrocarbon / Aromatic Hydrocarbon	ISO 17353 / ASTM D 4457 / ASTM D 3257	Local Regulatory Requirements
4	Formaldehyde	ASTM D 6191 USEPA 8260 / 3510	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	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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