



**NATIONAL EGGSHELL EMULSION (SILK)
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

NATIONAL EGGSHELL EMULSION (SILK)

PRODUCT DESCRIPTION	National Eggshell Emulsion (Silk) is a superior quality acrylic co-polymer based, highly washable emulsion paint for interior/exterior surfaces. It has excellent alkali and weather resistances. It provides an anti chalking smooth lustrous eggshell finish having excellent UV resistance. It contains anti fungal and anti bacterial additives.
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RECOMMENDED USES	National Eggshell Emulsion (Silk) is mostly suitable for the decorative applications on interior/exterior surfaces like concrete, plaster, brickwork, masonry, gypsum board, asbestos, wood etc. It is recommended for interior/exterior applications of flats, buildings, offices, boundary walls etc. It can also be applied on wooden surfaces.
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TECHNICAL DATA

COLOUR, DRY FILM FINISH, DRY FILM	As per the National Shade Card Smooth / Eggshell Silky
VOLUME SOLIDS (ASTM D2697)	44 ± 2%
SPECIFIC GRAVITY	1.30 ± 0.05
THEORETICAL SPREADING	11 – 9 M ² /LTR
RECOMMENDED DFT (DRY FILM)	40 – 50 Microns / Coat
RECOMMENDED WFT (WET FILM)	90 – 115 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 EGGSHELL EMULSION (SILK)	Highly washable and easy for cleaning, excellent alkali resistance, excellent weather & UV resistance, provides anti chalking property, offers beautiful lustrous eggshell silk finish with excellent adhesion.
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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)	5 – 10% depends 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
	(OR)	
	National Acrylic Primer (W.B.)	: 1 coat
	National Stucco Filler (Interior)	: 2 coats
	(OR)	
	National Shield Exterior Filler (Exterior)	: 2 coats
	National Matt Emulsion	: 1 coat
National Eggshell Emulsion (Silk)	: 1 - 2 coats	



NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	ISO 11890 – 2 USEPA – 24	Local Regulatory Requirements
2	Heavy Metal (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	Wet Scrub Resistance	CLFN2 / BS EN ISO 11998 for 200 cycles / EN 13300 Classification 2	
5	Water Vapor Transmission Rate	TP / 950 / 09 / 16074 Technology Centre, UK	
6	Scrub Resistance	ASTM D 2486	

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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