



**NATIONAL ACRYLIC WHEATHER RESIST (SILK)
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

NATIONAL ACRYLIC WEATHER RESIST (SILK)

PRODUCT DESCRIPTION	National Acrylic Weather Resist (Silk) is a 100% pure acrylic emulsion based paint with superior quality pigments and inert fillers, to meet the requirements of excellent weather and ultraviolet resistance for the exterior application. It can withstand the high humid and extreme climate of Gulf. It is highly resistant to the saline and dusty environment. It has excellent anti chalking property for years with excellent adhesion. It contains anti fungal and anti bacterial additives.
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RECOMMENDED USES	A versatile coating for the hostile environments of high humidity, extreme ultraviolet exposure, saline and dusty environment. It can be applied for protective and decorative purposes on interior or exterior concrete, plaster, brickwork, gypsum, wood etc. It can ensure durable and defect free coating for years without any frequent maintenance. It can be used for villa, flats, industrial buildings, shopping complexes etc.
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TECHNICAL DATA

COLOUR, DRY FILM	As per the National Shade Card
FINISH, DRY FILM	Smooth / Silk
VOLUME SOLIDS (ASTM D2697)	40 ± 2 %
SPECIFIC GRAVITY	1.25 ± 0.05
THEORETICAL SPREADING	10.0 – 8.0 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 ACRYLIC WEATHER RESIST (SILK)	Excellent weather & UV resistance, resistant to saline and dusty environment, highly washable, long durable 100% pure acrylic based, excellent anti chalking property, low maintenance expense, 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)	Water 10 % depends on 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 Acrylic Primer (W.B.)	: 1 coat
	National Acrylic Weather Resist (Silk)	: 2 coats
	Leveling the surface (if required)	
	National Stucco Filler (for Interior)	: 1 – 2 coats
	National Shield Exterior Filler (for Exterior)	: 1 – 2 coats

NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	USEPA 8260	Local Regulatory Requirements
2	Crack Bridging Ability	ASTM C 836 : 95 (ASTM C 1305 – 08)	
3	Practical Washability	ASTM D 4828 – 91	
4	Rapid Chloride Permeability	ASTM C 1202:1997	



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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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