



**NATIONAL SHIELD TEX SILK (TEXTURED COATING)
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

NATIONAL SHIELD TEX SILK (TEXTURED COATING)

PRODUCT DESCRIPTION	National Shield Tex Silk is a premium quality pure acrylic water based flexible textured paint. It is specially designed for the outstanding UV protection and exterior durability performances. It has excellent adhesion and alkali resistance. The attractive silky texture can cover minor imperfections on the substrate surface. Properly applied coating has the ability to cover cracks up to 0.8 mm. It provides very good weather and water resistance. It contains anti fungal and anti bacterial additives.
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RECOMMENDED USES	National Shield Tex Silk is recommended for the protection and decoration of exterior surfaces like concrete, cement plaster, brickwork, wood, masonry work etc. It is ideal for the application of villa, shopping complexes, prestigious buildings. It is recommended to rectify/fill the substrate imperfections like cracks, pin holes etc. before starting painting work.
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TECHNICAL DATA

COLOUR, DRY FILM	As per National Shade Card
FINISH, DRY FILM	Textured, Silky
VOLUME SOLIDS (ASTM D2697)	46 ± 2%
SPECIFIC GRAVITY	1.30 ± 0.04 (For white and pastel colours)
THEORETICAL SPREADING	4.6 – 1.5 M ² / LTR
RECOMMENDED DFT (DRY FILM)	100 – 300 Microns / Coat
RECOMMENDED WFT (WET FILM)	217 – 652 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
HARD DRY	2 – 4 hours
DRY TO OVER COAT	2 – 4 hours (minimum)



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ADVANTAGES

NATIONAL SHIELD TEX SILK	Outstanding UV protection and exterior durability, excellent adhesion and alkali resistance, attractive silky texture, flexible membrane, cracks tolerance up to 0.8 mm, very good weather and water resistance
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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. Any defects on the substrate should be rectified before starting painting. Application can be done by the recommended application methods.
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APPLICATION DATA

APPLICATION METHOD	Roller, Brush or Spray (special hopper gun)
CLEANING/THINNING	Water
THINNER (VOLUME)	Maximum up to 10% (depends on method of application)

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	National Acrylic Primer (W.B) or National Shield Alkali Resistant Primer or National Aqua Siloxane Primer : 1 Coat
	National Shield Tex Silk : 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 : 1995	

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 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.
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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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