



NATIONAL SHIELD ULTRA MATT (TEXTURED COATING)
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL SHIELD ULTRA MATT (TEXTURED COATING)

PRODUCT DESCRIPTION	National Shield Ultra Matt 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 is an anti carbonation coating and has excellent adhesion on concrete surfaces. It protects concrete from carbonation (anti carbonation coating) and chloride ion penetration. It has high crack tolerance and offers very good weather and water resistances. It contains anti fungal and anti bacterial additives.
RECOMMENDED USES	National Shield Ultra Matt is recommended for the protection and decoration of exterior surfaces like concrete, cement plaster, brickwork, wood, masonry work etc. It is ideal for the applications like villa, shopping complexes, prestigious buildings. It is recommended to rectify/fill the substrate imperfections like cracks, pin holes etc. before starting painting work.

TECHNICAL DATA

COLOUR, DRY FILM	As per National shade card
FINISH, DRY FILM	Design texture, Matt
VOLUME SOLIDS (ASTM D2697)	40 ± 2%
SPECIFIC GRAVITY	1.30 ± 0.04 (For white and pastel colours)
THEORETICAL SPREADING	5.3 – 0.9 m ² /lit.
RECOMMENDED DFT (DRY FILM)	75 - 425 microns/coat
RECOMMENDED WFT (WET FILM)	188 – 1063 microns/coat
FLASH POINT	Water based

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time).	
TOUCH DRY	45 - 60 mints.
HARD DRY	10 – 12 hrs.
DRY TO OVER COAT	2 - 4 hrs. (minimum)



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ADVANTAGES

NATIONAL SHIELD ULTRA MATT	Outstanding UV protection and exterior durability, anti carbonation coating, excellent adhesion and alkali resistance, resistance to chloride ion penetration, attractive silky design texture, flexible membrane, high crack tolerance, 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 METHODS	Spray: Airless spray or conventional spray. Roller: Sponge roller offers attractive texture. Brush: For corners and edges.
CLEANING/THINNING	Water
THINNER (VOLUME)	Maximum up to 15% (depends on method of application)
CNVENTIONAL SPRAY	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure: 20 Mpa (2800 psi) Nozzle: 0.53 – 0.78 mm. Angle of spray: 45 ⁰ - 80 ⁰

SYSTEM

RECOMMENDED SYSTEM (To be applied on prepared surface)	1. National Aqua Siloxane Primer	1 coat
	OR	
	1. National Shield Alkali Resistant Primer (W.B) or National Acrylic Primer (W.B)	1 coat
	Use National Shield Exterior Filler WB, if required, to fill pin holes and minor imperfection.	
	2.National Shield Ultra Matt	2 coats

ADDITIONAL DATA

SHELF LIFE @ 30°C	18 months, in original sealed container, with proper storage conditions.
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HEALTH & SAFETY

SAFETY PRECAUTIONS	<p>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.</p> <p>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.</p>
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STORAGE & HANDLING

STORAGE	<p>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.</p>
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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.
Issued: 0219