



NATIONAL SHIELD TEX MEDIUM (TEXTURED COATING)
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL SHIELD TEX MEDIUM (TEXTURED COATING)

PRODUCT DESCRIPTION	National Shield Tex Medium 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. The attractive silky texture can cover minor imperfections on the substrate surface. Properly applied coating can cover cracks minimum of 1 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 Medium 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	Medium 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 /lit.
RECOMMENDED DFT (DRY FILM)	100 - 300 microns/coat
RECOMMENDED WFT (WET FILM)	217 – 652 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	1 hr.
HARD DRY	2 – 4 hrs.
DRY TO OVER COAT	2 - 4 hrs. (minimum)



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ADVANTAGES

NATIONAL SHIELD TEX MEDIUM	Outstanding UV protection and exterior durability, excellent adhesion and alkali resistance, attractive silky texture, flexible membrane, cracks minimum of 1 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 (W.B) or National Aqua Siloxane Primer	1 coat
	National Shield Tex Medium	2 coats

NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	ISO 11890 – 2	Local Regulatory Requirements
2	Co2 Diffusion Coefficient	TP 950 / 05 / 13569	
3	Rapid Chloride Permeability	ASTM C 1202 : 2012	
4	Reduction in Water Penetration	BS EN 12390 Part 8 : 2009	
5	Crack Bridging Ability	ASTM C836/C836M-12	
6	UV Resistance	ASTM G 154 : 06	



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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.
Issued: 1119