



**NATIONAL SHIELD EXTERIOR FILLER**

<b>PRODUCT DESCRIPTION</b>	National Shield Exterior Filler is a 100% pure Acrylic based homogenous putty, with specially graded fillers and additives, for filling the porosity and leveling the surface imperfections on exterior concrete and hollow blocks. It provides a uniform smooth and leveled surface. National Shield Exterior Filler offers, maximum gloss and performances to topcoat. It contains anti fungal and anti bacterial additives.
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<b>RECOMMENDED USES</b>	National Shield Exterior Filler can be used as a body filler for exterior applications on concrete surface, hollow concrete blocks, plaster surfaces etc. It is recommended for leveling and filling of surface imperfection and porosity so as to get a smooth leveled surface for the subsequent topcoats applications. No primer is needed on the filler prior to topcoat. It is always recommended to apply suitable topcoat on National Shield Exterior Filler.
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**TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	White
<b>FINISH, DRY FILM</b>	Smooth / Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	64 ± 2%
<b>SPECIFIC GRAVITY</b>	1.60 ± 0.05
<b>THEORETICAL SPREADING</b>	6.5 – 3.0 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	100 – 200 Microns / Coat
<b>RECOMMENDED WFT (WET FILM)</b>	155 – 310 Microns / Coat
<b>FLASH POINT</b>	Water Base

**DRYING TIME**

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
<b>TOUCH DRY</b>	1 – 2 hours
<b>DRY TO RECOAT</b>	4 – 6 hours
<b>FULL DRY</b>	24 hours



**ADVANTAGES**

<b>NATIONAL SHIELD EXTERIOR FILLER SYSTEM</b>	Excellent body filling, hides the surface imperfections, suitable for exterior applications, provides maximum performances to topcoats, comparatively less volume shrinkage after dry, fills the porosity of concrete and hollow blocks, easy to apply by putty knife or scraper. 100% Pure Acrylic based emulsion binder, excellent adhesion.
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**APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	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**

<b>APPLICATION METHOD</b>	Scrapper, Putty knife, Trowel etc.
<b>CLEANING/THINNING</b>	Water
<b>THINNER (VOLUME)</b>	Ready to use
<b>CONV. SPRAY REQUIREMENTS</b>	NA
<b>AIRLESS SPRAY REQUIREMENTS</b>	NA
<b>NOZZLE SIZE</b>	NA
<b>MIXING RATIO (BY VOLUME)</b>	NA
<b>POT LIFE @ 30°C (100 ml)</b>	NA

**SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	National Acrylic Primer (W.B.)	: 1 coat
	National Shield Exterior Filler	: 2 coats
	National Recommended System	

**NATIONAL/INTERNATIONAL TEST CERTIFICATES**

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	USEPA 24	Local Regulatory Requirements

**ADDITIONAL DATA**

<b>SHELF LIFE @ 30°C</b>	12 months, in original sealed container, with proper storage conditions.
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**HEALTH & SAFETY**

<b>SAFETY PRECAUTIONS</b>	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**

<b>STORAGE</b>	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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