



**NATIONAL WALL GUARD UNDERCOAT**  
**DECORATIVE COATINGS**

**TECHNICAL DATA SHEET**

## **NATIONAL WALL GUARD UNDERCOAT**

### **PRODUCT DESCRIPTION**

National Wall Guard Undercoat is a single component acrylic emulsion paint to reduce the flammability and combustion of building materials, by preventing the rapid fire spread, over it coats. It provides a seamless, moisture/vapour barrier coating with excellent alkali resistance and good adhesion. It provides a flexible and elastomeric membrane which can absorb the possible shocks caused by the contraction and expansion of the substrate surfaces. It is a low flame spread and low VOC coating. This product is water proof and has anti-mould property. It contains anti fungal and anti bacterial additives.

### **RECOMMENDED USES**

National Wall Guard Undercoat is recommended on building materials to reduce flammability and combustion. It is essential to residential buildings, shopping malls etc. when it needs efficient measures to prevent rapid fire spread over it coats. It is suitable for both interior and exterior surfaces such as cement plasters, concrete and brick works. It can also be used for surfaces like wood, asbestos, and gypsums. It is Civil Defence Sharjah & Dubai approved and certified material.

### **TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	Black, White and Grey colours
<b>FINISH, DRY FILM</b>	Smooth, Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	24 ± 2%
<b>SPECIFIC GRAVITY</b>	1.40 ± 0.05
<b>THEORETICAL SPREADING</b>	8.0 – 7.0 m <sup>2</sup> /lit.
<b>RECOMMENDED DFT (DRY FILM)</b>	30 – 35 microns/coat
<b>RECOMMENDED WFT (WET FILM)</b>	125 – 145 microns/coat
<b>FLASH POINT</b>	Water based



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### **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>	20 - 30 mints.
<b>HARD DRY</b>	4 - 6 hrs.
<b>DRY TO OVERCOAT</b>	1 - 2 hrs.

### **ADVANTAGES**

<b>NATIONAL WALL GUARD UNDERCOAT</b>	Reduce the flammability and combustion over it coats, single component acrylic emulsion, breathable, vapour barrier coating, excellent alkali resistance and has good adhesion, flexible and elastomeric membrane, low VOC, It is Civil Defence Sharjah & Dubai approved and certified material.
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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. 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**

<b>APPLICATION METHODS</b>	Roller, Brush, or Spray
<b>CLEANING/THINNING</b>	Water
<b>THINNER (VOLUME)</b>	Maximum up to 10 - 15% depends on method of application
<b>CONVENTIONAL SPRAY</b>	Possible
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure: 2100 psi Nozzle: 0.021 – 0.027". Angle of spray: 65° - 80°

### **SYSTEM**

<b>RECOMMENDED SYSTEM</b> (To be applied on prepared surface)	1. National Wall Guard Undercoat	2 coats
	Other National Recommended system	



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**ADDITIONAL DATA**

<b>SHELF LIFE @ 30°C</b>	18 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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