



NATIONAL INSECT RESIST (W.B.)
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL INSECT RESIST (W.B.)

PRODUCT DESCRIPTION	National Insect Resist W.B. is a specially modified acrylic copolymer based emulsion paint, having insecticide additives to resist and protect the surface from the attack of various insects. It has excellent alkali and weather resistances. It is non-toxic to human contact and no harm for the dry film contact or breathing. It contains anti fungal and anti bacterial additives also.
RECOMMENDED USES	As an insecticide paint for internal/external surfaces like concrete, plaster, gypsum, brickwork, wood, masonry surfaces etc. Since it is non-toxic to human contact it can be used for the application of villa, flats, offices, buildings, schools etc. It is also recommended for the application of storage rooms, garbage rooms, etc. to resist the insects contact.

TECHNICAL DATA

COLOUR, DRY FILM	As per National Shade Card	
FINISH, DRY FILM	Smooth / Matt	Smooth / Silk
VOLUME SOLIDS (ASTM D2697)	44 ± 2%	44 ± 2%
SPECIFIC GRAVITY	1.37 ± 0.05	1.30 ± 0.05
THEORETICAL SPREADING	11.0 – 9 M ² /LTR	11.0 – 9 M ² /LTR
RECOMMENDED DFT (DRY FILM)	40 – 50 Microns/Coat	40 – 50 Microns/Coat
RECOMMENDED WFT (WET FILM)	90 – 115 Microns/Coat	90 – 115 Microns/Coat
FLASH POINT	Water Base	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	30 – 45 minutes	30 – 45 minutes
DRY TO RECOAT	2 – 4 hours	2 – 4 hours
FULL DRY	24 hours	24 hours

ADVANTAGES

NATIONAL INSECT RESIST (W.B.)	Resist the contact of insects, non-toxic to human contact, highly washable, excellent alkali and weather resistances, available in matt & silky finishes, better anti algae property, excellent coverage, and is water based with no strong odour.
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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. Application can be done by the recommended application methods.
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APPLICATION DATA

APPLICATION METHOD	Roller, Brush or Spray
CLEANING/THINNING	Water
THINNER (VOLUME)	Max. 5% depends on method of application
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure : 2000 - 2500 psi
NOZZLE SIZE	0.018” – 0.021”
MIXING RATIO (BY VOLUME)	NA
POT LIFE @ 30°C (100 ml)	NA

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	National Acrylic Primer (W.B.)	: 1 coat
	National Insect Resist (W.B.)	: 2 coats
	Leveling filler: (If required)	
	National Stucco Filler (For interior)	: 2 coats
	National Shield Exterior Filler (For Exterior)	: 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	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. Keep away from children.
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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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