



**NATIONAL POLYURETHANE HAMMER FINISH PEARL
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

NATIONAL POLYURETHANE HAMMER FINISH PEARL

PRODUCT DESCRIPTION	Two pack, polyurethane based system, combined with hammer tone and pearl effect. The dry film is tough, with long lasting performance, excellent adhesion and weather resistance. It has excellent resistance against water and U.V. radiation.
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RECOMMENDED USES	Specifically developed as a topcoat for cementitious surfaces, walls, etc. Also suitable for wood and metal. Can be overcoated with Polyurethane Clear.
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TECHNICAL DATA

COLOUR, DRY FILM	Specific Pearl Colours
FINISH, DRY FILM	Hammer effect, Glossy
VOLUME SOLIDS (ASTM D2697)	46 ± 2%
SPECIFIC GRAVITY	0.98 ± 0.05 (Mixed)
THEORETICAL SPREADING	5 M ² /LTR
RECOMMENDED DFT (DRY FILM)	90 Microns (Minimum) depends on application
RECOMMENDED WFT (WET FILM)	195 Microns (Minimum) depends on application.
FLASH POINT	25°C

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
TOUCH DRY	30 minutes
DRY TO RECOAT	3 – 4 hours
HARD DRY	48 hours
FULLY CURED	2 – 3 days

ADVANTAGES

NATIONAL POLYURETHANE HAMMER FINISH PEARL SYSTEM	Two pack system with long pot life, easy to apply, with pearl and hammer effect, good coverage. Excellent adhesion to various surfaces, hardness and impact 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. Application can be done by the recommended application methods.
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APPLICATION DATA

APPLICATION METHOD	Conventional Spray
CLEANING/THINNING	National Polyurethane Thinner
THINNER (VOLUME)	5%, depending on the application temperature
CONV. SPRAY REQUIREMENTS	Possible
MIXING RATIO (BY VOLUME)	Base : Hardener 4:1 (Mix properly keep for 10-15 minutes before use)
POT LIFE @ 30°C (100 ml)	4 – 5 hours

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface. Apply on dry surface moisture less than 4%. Skilled application is recommended for uniform hammer tone pattern.	National Guard Primer for Cement Clear/ Primer White	: 1 coat
	National Polyurethane Topcoat (Background)	: 1 coat
	National Polyurethane Hammer Finish Pearl	: 1 coat
	National Polyurethane Clear	: 1 coat

ADDITIONAL DATA

SHELF LIFE @ 30°C	6 months, in original sealed container, with proper storage conditions.
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HEALTH & SAFETY

SAFETY 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. This product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should 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 stock 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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