



NATIONAL PENETRATING SEALER
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL PENETRATING SEALER

PRODUCT DESCRIPTION	National Penetrating Sealer is a water dilutable vinyl-acrylic copolymer emulsion based, penetrating primer clear for cementitious surfaces. It has excellent penetration and adhesion on porous and slightly chalky surfaces. It is suitable for interior/exterior applications as a general-purpose sealer. It offers good alkali resistance. It contains anti fungal and anti bacterial additives.
RECOMMENDED USES	National Penetrating Sealer is a general-purpose penetrating primer clear for porous and slightly chalky surfaces to get maximum performances of subsequent coatings. It is suitable for surfaces like concrete, plaster, gypsum, stucco filler, asbestos, etc. to seal the surface and provide excellent adhesion for further coatings.

TECHNICAL DATA

COLOUR, DRY FILM	Clear
FINISH, DRY FILM	Transparent / Matt
VOLUME SOLIDS (ASTM D2697)	24 ± 2%
SPECIFIC GRAVITY	1.18 ± 0.05
THEORETICAL SPREADING	12 – 8 M ² /LTR
RECOMMENDED DFT (DRY FILM)	20 – 30 Microns/Coat (Depends on surface penetration)
RECOMMENDED WFT (WET FILM)	85 – 125 Microns/Coat
FLASH POINT	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	15 – 30 minutes
DRY TO RECOAT	1 – 2 hours
FULL DRY	4 – 6 hours

ADVANTAGES

NATIONAL PENETRATING SEALER	Excellent penetration, good alkali resistance, excellent adhesion, good sealing property.
------------------------------------	---



**NATIONAL PENETRATING SEALER
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

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.
----------------------------	---

APPLICATION DATA

APPLICATION METHOD	Roller, Brush, Spray etc.
CLEANING/THINNING	Water
THINNER (VOLUME)	10 – 15% depending on the method of application
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure : 2000 – 2500 psi
NOZZLE SIZE	0.018” – 0.020”
MIXING RATIO (BY VOLUME)	NA
POT LIFE @ 30°C (100 ml)	NA

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	National Penetrating Sealer : 1 coat
	National recommended system

NATIONAL/INTERNATIONAL TEST CERTIFICATES

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

ADDITIONAL DATA

SHELF LIFE @ 30°C	18 months, in original sealed container, with proper storage conditions.
--------------------------	--



**NATIONAL PENETRATING SEALER
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

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.
-------------------------------	--

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.
----------------	---

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: 0718