

NIPPON PAINT EA4 CLEAR SEALER

NIPPON PAINT EA4 CLEAR SEALER is a two-pack, high gloss Polyamide Epoxy Finish for use on concrete, plaster, brick and most types of building boards and. It is recommended for non-immersion services.

Physical Characteristics of Paint:

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| Colour | : Transparent |
| Finish | : High Gloss |
| Specific Gravity | : 1.00 ± 0.05 (for Mixture of Base & Hardener) |
| Solid Content | : 53 ± 2 by volume (for Mixture of Base & Hardener) |
| Abrasion | : Good resistance to abrasion and mechanical damage |
| Adhesion | : Excellent on correctly prepared surfaces |
| Temperature | : Dry service temperature ranges up to 100°C |

Technical Data

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| Drying Time (25–30°C) | : Touch Dry | : 1 – 2 hour (Dependent on temperature and humidity) |
| | : Hard Dry | : 16 hours (Dependent on temperature and humidity) |
| Overcoating Time (25–30°C) | : Minimum 16 hours (Dependent on temperature and humidity) | |
| Curing Time (25–30°C) | : 6– 7 days (Dependent on temperature and humidity). | |
| No. of Coats | : 1 coat | |
| Theoretical Coverage | : 26.4 m ² per litre per coat (for dry film thickness of 20 microns) | |
| Practical Coverage | : 21.2 m ² /litre (for dry film thickness of 20 microns) | |
| Application Methods | : Brush, roller, compressed air spray and airless spray | |
| Guiding Data for Spray | : | <u>Air</u> <u>Airless</u> |
| | Delivery Pressure (kg/cm ²) | 3 – 4 140 – 170 |
| | Tip size at 60° angle | 1.3 mm 0.015" – 0.017" |
| Thinning | : Roller & Brush | 40% maximum |
| | Air Spray | 40% maximum |
| | Airless Spray | 10% maximum |
| Thinner | : NIPPON SA 65 THINNER | |
| Mixing Ratio | : 4 parts by volume of NIPPON EP4 CLEAR SEALER (BASE) to 1 part by volume of NIPPON EP4 HARDENER. Stir the content of the BASE component, continue stirring and gradually add the total content of the HARDENER component, continue stirring until a homogeneous mix is obtained. | |
| Pot Life at 25°C to 30°C | : 4 – 6 hours after mixing, depending on prevailing temperature | |

Surface Preparation

Masonry and Cement Concrete Surface

Moisture Content must be below 6% checked by Sovereign Moisture Meter. Unstable matter such as powder, old paint film, dirt and loose plaster should be removed by high pressure water jet washing or mechanical means such as power brush or scraper whichever is suitable. High pressure water jet may be used for external wall. Contaminants, dust and foreign matter should be removed by cleaning with damp cloth. Oil or grease should be removed by solvent cleaning or mild detergent. Allow surface to dry again.

New cement floor

Moisture Content must be below 6% checked by Sovereign Moisture Meter. Foreign and unstable matter such as powder, dirt, dust, contaminants and loose plaster should be removed by low pressure water jet washing. Oil or grease should be removed by solvent cleaning or mild detergent. Allow surface to dry again.

Cleaning

Cleaning Solvent : SA-65 Thinner. Clean up equipment with thinner immediately after use.

Environmental Conditions During Application

- Do not apply when the relative humidity exceeds 85% or when the surface to be coated is less than 3 °C above the dew point.
- Do not apply at temperature below 7 °C. If not, drying and overcoating times will be considerably extended.
- During application of the paint, naked flame, welding operations and smoking should not be allowed and good ventilation is necessary.

Safety, Health and Environmental Information:

1. Flammable Liquid. Do not expose to heat, sparks or open flame.
2. Skin Contact: May cause moderate skin irritation. Avoid prolong contact with skin. Use solvent resistant glove. To remove splashes of paint from skin, use soap and water.
3. Inhalation: Respiratory irritation. Only used in well-ventilated areas. Do not breathe vapor or spray paint. Respirator with organic vapor cartridges recommended.
4. Eye Contact: Cause severe eye irritation and blurred vision. Safety glasses / goggles with side shields recommended. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
5. Ingestion: Harmful if swallowed. Keep away from drinks, food and out of reach of children. If swallowed, seek medical advice immediately and show the container or label.
6. In the event of an accident, contain and collect spillage using sand or earth or absorbent. Do not empty into drain or water courses.
7. Wastes and empty containers should be treated and disposed of in accordance with national and local regulations. Empty containers and packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.

Note

The information given applies to the product and its performance under specific test conditions. Due to the varied circumstances beyond our control under which the product may be applied, for specific application, please contact Nippon Paint Sales & Marketing Dept. We reserve the right to modify our product data sheet without further notice.