



PRODUCT DESCRIPTION

Nippon WeatherGard is a high-performance water-based paint that possesses superior exterior durability with water resistance and solar reflective properties.

PHYSICAL CHARACTERISTICS

| | | |
|--------|---|---|
| Type | : | Modified Acrylic Emulsion |
| Finish | : | Low Sheen |
| Colour | : | Wide range of decorative colours as per colour card. Special colours on request. |
| Uses | : | Premium grade emulsion with excellent protective and decorative functions for all exterior masonry surfaces such as: - Cement plasters - Concrete - Brickworks |

PERFORMANCE CHARACTERISTICS

- Excellent weathering resistance and long lasting colour.
- High solar energy reflection, less heat build-up results in less power consumption for air-conditioning energy saving.
- Good water resistant & water proofing resistance.
- Excellent resistance to fungus and algae growth.
- Excellent washability.
- Excellent to Alkaline & Efflorescence properties.
- Good adhesion on stable substrates.
- Easy apply with good flow & levelling properties.
- Low VOCs (containing < 50g/L VOC, meeting the VOC requirement).
- Non-toxic, does not contain lead, mercury and heavy metals.

APPLICATION DATA

Surface Preparation:

Suggested Treatment

Dirt/Powder: High pressure water wash. Mild detergent may be used. For very powdery surface, apply a coat of HITEX 5180 WALL SEALER after cleaning.

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| | <p>Old Paint/Plaster/Skimcoat: Unstable old film / substrate should be removed by chisel, scraper, powder grinder whichever is appropriate. Uneven substrates must be re-plastered with an approved putty / Skimcoat.</p> <p>Moisture: High moisture will cause paint defect. Observe the following level prior to painting: (by Sovereign Moisture meter) - Masonry : below 6% - Wood : below 10% All water seepage must be checked and repaired.</p> <p>Algae/Fungus: Remove by chisel or scraper and treat with NIPPON ANTI- FUNGUS SOLUTION. Rinse again with clean water and dry.</p> <p>Oil/Grease: Clean off with mild detergent and a little solvent if necessary. Wash thoroughly to remove all trace.</p> <p>Important: All the substrate surface must be clean, dry, stable and free from grease and oil.</p> | | | | | | | | | | | | |
| THINNING | Use clean water. | | | | | | | | | | | | |
| APPLICATION METHOD | Brush, roller. and airless spray. | | | | | | | | | | | | |
| APPLICATION GUIDING DATA | <table> <tr> <td></td> <td style="text-align: right;">Airless</td> </tr> <tr> <td>Delivery Pressure</td> <td style="text-align: right;">120kg-150kg/cm²</td> </tr> <tr> <td>Tip Size (at 60° angle)</td> <td style="text-align: right;">0.017"</td> </tr> <tr> <td>Dilution</td> <td style="text-align: right;">10% maximum</td> </tr> <tr> <td></td> <td style="text-align: right;"><u>Brush or Roller</u></td> </tr> <tr> <td>Dilution</td> <td style="text-align: right;">10% maximum</td> </tr> </table> | | Airless | Delivery Pressure | 120kg-150kg/cm ² | Tip Size (at 60° angle) | 0.017" | Dilution | 10% maximum | | <u>Brush or Roller</u> | Dilution | 10% maximum |
| | Airless | | | | | | | | | | | | |
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| Dilution | 10% maximum | | | | | | | | | | | | |
| RECOMMENDED PAINT SYSTEM | <p>2-3 coats of Skimcoat Double Star or Skimcoat Hitex Chong Nong 1 coat of Sumo Sealer or Hitex 5180 Wall Sealer 2 coats of WeatherGard</p> | | | | | | | | | | | | |
| RECOMMENDED FILM THICKNESS | 40 - 50 microns DFT. (Dry Film Thickness) per coat is recommended for standard application. | | | | | | | | | | | | |
| PAINT COVERAGE | <p>Theoretical: 10.0m²/litre (at 40µm DFT.) Practical: Approx. 9.0m²/litre (after 10% loss factor).</p> <p>The actual loss factor for a particular job may vary depending on the application condition, method and technique; surface condition; as well as the structure and dimension of the object to be coated.</p> | | | | | | | | | | | | |
| COATING INTERVAL | Min. 2 hours at 25°C to 30°C for DFT. 40-50 microns. | | | | | | | | | | | | |
| DRYING TIME | Min. 30 minutes at 25°C to 30°C for DFT. 40-50 microns. | | | | | | | | | | | | |

CLEANING

Wash all equipment immediately after use with clean water

STORAGE

Keep containers tightly closed. Store in cool, dry and well-ventilated place at temperature between 5 to 40°C.

GENERAL INFORMATION

SHELF LIFE

Up to 12 months when stored in tightly sealed containers below 25°C.

PACKING

1 Litre, 5 Litres and 18 Litres.

PRECAUTION

Avoid painting when the temperature is below 15°C and the humidity is over 85%. Avoid direct contact with sensitive skin. Use appropriate protective equipment.

The information given applies to the product and its performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to modify our product specification without further notice.