

FEATURES

Nippon Paint Roofseal is elastomeric acrylic emulsion paint waterproofing for roof seals with FIBER-STRENGTH technology that effectively prevents water leakage and is highly flexible. They have a seamless roof seal formula and are resistant to water retention for over 60 days without swelling or peeling. The paint film is also a heat insulator, reflecting over 93% of sunlight. These products are suitable for use on rooftops, roofs, balconies, joints, and building walls.

- Prevent and protect problem caused by water leak
- 670% elongation
- Excellent cover cracks on concrete caused by rapid change of temperature
- Excellent adhesion on substrate
- Seamless and good hiding
- Ease of use
- Low odor, low VOC and non-added lead or mercury

PRODUCT INFORMATION

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| Paint type | Acrylic |
| Product type | Waterproofing for roof seal |
| Film appearance | Matt |
| Colour | White, Grey, Soft Grey and Green |
| Recommended substrate | Waterproofing of Flat roof, Concrete and brick roof, wall cladding, Metal sheet roof, Gypsum board, wood and metal |
| Pack size | 4 kg and 20 kg |

TECHNICAL INFORMATION

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| Theoretical coverage | 0.5 - 1 | m ² per kilogram | |
| | 2 - 4 | m ² for 4 kg-bucket | |
| | 10 - 20 | m ² for 20 kg-bucket | |
| | (Actual coverage is dependent on substrate condition and application method) | | |
| No. of coat | 2 | coats | |
| Density @25°C | 1.38 | kg per liter | |
| pH @25°C | 8.5-9.5 | | |
| Viscosity @25°C | 124-128 | KU | |
| Elongation | > 670 | % | (ASTM D412) |
| Tensile Strength | > 3 | MPa | (ASTM D412) |
| Solar Reflectance | 93.1 | % | (JIS R3106) |
| Bonding strength | 1.41 | MPa | (BS EN 1015) |

REFERENCE STANDARD

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|---|---|------|
| TIS 2514-2564 (Solar heat reductive emulsion paint) | ✓ | Pass |
| TIS 2321-2564 (Weather-resistant emulsion paints) | ✓ | Pass |
| TIS 272-2564 (Emulsion paints for general purposes) | ✓ | Pass |
| THAI GREEN LABEL TGL-4-R4-14 | ✓ | Pass |
| Carbon Footprint Label (CFP) | ✓ | Pass |
| Energy Saving Label No. 5 | ✓ | Pass |

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| | Nippon Paint Green Choice | ✓ | Pass |
| APPLICATION | | | |
| Application Method | Brush, Roller or Spray | | |
| Diluted by | Clean water | | |
| Dilution (%) | Primer layer, use Nippon Paint Roofseal mix with cleaned water ratio 2:1 by volume | | |
| SURFACE PREPARATION | | | |
| Cement / Concrete | Ensure that the surface is clean and dry. It must be free from dirt, greases and other foreign matters. Repair cracks, uneven surfaces with Nippon Paint Vinilex Wall Putty or Nippon Paint Acrylic Sealant. Treat any areas affected by fungus growth by scrubbing and allowing the surface to dry completely before painting then apply with Nippon Paint Vinilex Bio Wash 1 coat and leave it until dry. Remove all loose, defective paint or powdery residues, loose chalk, dust, fungus, algae and foreign matter. (avoid wire brush) Avoid painting when the moisture content and alkalinity of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 14% measured by protimeter, below 6% by Kett model HI-520 and alkalinity of the walls to be below pH 8.) | | |
| Metal and steel | All surfaces should be clean dry, and free from contamination. Oil or grease should be removed by solvent. Polish the rust on surfaces before coating. | | |
| PAINT SYSTEM | | | |
| Primer | Coating the primer layer by using Nippon Paint Roofseal mix with cleaned water ratio 2:1 by volume and, apply on the surface then, leave it to dry 2-4 hours in between (or not sticky when touch by hand). For old wall and skim coat, it should be Nippon Paint Excel Primer 1 coat before coat with Nippon Paint Roofseal. For metal and steel, it should be primed with a suitable primer before coat with Nippon Paint Roofseal | | |
| Roofseal | #1 coat: Apply Nippon Paint Roofseal by bush or roller on the primer layer. This step can use Nippon paint mesh belt for reinforcement, immediately install after coating Nippon Paint Roofseal, and leave it to dry 2-4 hours in between. #2 coat: Apply Nippon Paint Roofseal (2 nd layer) vertically until having total thickness of 1.5 mm. at least, Nippon Paint Roofseal gets full resistance properties after 7 days coated | | |
| Cautions | 1. For new concrete must be more than 28 days old and other cementitious surfaces more than 7 days old of cured. 2. Do not use Nippon Paint Roofseal while raining. 3. Nippon Paint Roofseal will have the effectiveness after 24 hours and, will have the highest effectiveness 7 days after installation. 4. Nippon Paint Roofseal can use for waterproofing and can tiling on it but please note it not suitable for long term water ponding. Nippon Paint Roofseal is able resistance water immersion about 60 days. 5. Please strictly follow the instruction manual. | | |
| HANDLING AND STORAGE | | | |
| Storage condition | The product must be stored in a dry, well-ventilated space and keep the container tightly closed. When transporting paint, the product should separately from others. Not recommended to place the product outdoor or exposed to the sun directly and must separately be stored between enamel paint and thinner. which is a flammable substance. | | |

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| Precipitation | Place the product for a long time may lead the pigment to precipitate at the bottom of the container and can deteriorate over time when not stir product to a homogeneous by using suitable tools, such as an electric drill, air drill, or a stirrer. Therefore, should stir the product to the homogeneous phase before use. If not, the product will cause paint problems e.g. low hiding power or non-equal color shade. |
| Shelf life | 5 years at 30 - 35 °C |
| SAFETY PRECAUTIONS | Precautionary notices are displayed on the container. Use product under well-ventilated area. During use, the product must keep away from the source of ignition and no smoking. Avoiding skin contact or inhale product. In case of contact with the eye, rinse with plenty of water immediately and seek medical advice. Remove splashes from the skin by using soap or water. For others information in terms of health and safety hazards for use of this product, please observe the Safety Data Sheet. |
| DISCLAIMER | The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself. We reserve the right to alter the given without prior notice. |
| NOTE | The data are average values for reference only. However, the actual value depends on environmental conditions. |