PAINTING SYSTEM

SolaReflect Roof-Seal Waterproofing

Description: Nippon Paint SolaReflect Roof-Seal Waterproofing is a low V.O.C. ready-to-use water-based acrylic waterproofing membrane. It is made with special blends of polymer, fillers and additives to provide excellent U.V. resistance while providing long term waterproofing protection for the roof. Besides that, it has solar-reflective properties reflection large amount of solar energy from the sun, lowering heat build-up and subsequently keeping the building cool.

TYPE: Water-based Acrylic
COLOUR: White and selected colour
FINISH: Matt

Theoretical Coverage: 1.8 m²/litre (Based on 30% V.O.C.)

Dilution: No dilution is necessary for best performance.

Surface Preparation:
- Surface must be clean, dry, stable and free from dust, dirt, oil, grease and other contaminants.
- Allow all washed surfaces to dry before paint application.

Draining Time: Hard dry - 1 hour max at 25°C, 65% RH

Overcoating Time: 2 hours minimum based on normal conditions.

Recommended Painting System:
- For Concrete Roof:
  1st layer: 1 coat of Nippon Paint SolaReflect Roof-Seal Waterproofing
  2nd layer: Lay Fibremesh while the 1st coat of Nippon Paint SolaReflect Roof-Seal Waterproofing is still wet
  3rd layer: 1 coat of Nippon Paint SolaReflect Roof-Seal Primer
  4th layer: 1 coat of Nippon Paint SolaReflect Roof-Seal Waterproofing

- For Metal Roof:
  1st layer: 1 coat of Nippon Paint SolaReflect Roof-Seal Primer
  2nd layer: Lay Fibremesh while the 1st coat of Nippon Paint SolaReflect Roof-Seal Primer is still wet
  3rd layer: 1 coat of Nippon Paint SolaReflect Roof-Seal Waterproofing
  4th layer: 1 coat of Nippon Paint SolaReflect Roof-Seal Primer

- For Wood Roof:
  1st layer: 1 coat of Nippon Paint SolaReflect Roof-Seal Primer
  2nd layer: Lay Fibremesh while the 1st coat of Nippon Paint SolaReflect Roof-Seal Primer is still wet
  3rd layer: 1 coat of Nippon Paint SolaReflect Roof-Seal Waterproofing
  4th layer: 1 coat of Nippon Paint SolaReflect Roof-Seal Primer

Cleaning: All equipment should be cleaned with water immediately after use.

Beadon white colour:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description of base</td>
<td>Nippon Paint SolaReflect Roof-Seal Waterproofing</td>
</tr>
<tr>
<td>Water Vapor Transmission</td>
<td>2.7 gm / square meter / hour</td>
</tr>
<tr>
<td>Adhesion Strength 1 Day Water Immersion</td>
<td>&gt;1MPa</td>
</tr>
<tr>
<td>Adhesion Strength 3 Days Water Immersion</td>
<td>&gt;1MPa</td>
</tr>
<tr>
<td>Shear Strength</td>
<td>&gt;3MPa</td>
</tr>
<tr>
<td>Crack Bridging</td>
<td>1mm</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.24 ± 0.015 gm/litre</td>
</tr>
<tr>
<td>SOLDERABILITY</td>
<td>No cracks at 100°C</td>
</tr>
<tr>
<td>SHELF LIFE</td>
<td>Up to 12 months in tightly sealed container</td>
</tr>
</tbody>
</table>
| PRECAUTION | Ensure good ventilation during application and drying of paint. Avoid direct contact with sensitive skin. Use appropriate personal protective equipment.

The information given is intended to give a description of the product performance under subject conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subject to many variations. We reserve the right to alter the given data without notice.
WHAT IS NIPPON PAINT
SolaReflect Roof-Seal Waterproofing

Nippon Paint SolaReflect Roof-Seal Waterproofing is a low VOC ready-to-use water-based acrylic waterproofing membrane. It is made with special blends of polymer, fillers and additives to provide excellent UV resistance while providing long term waterproofing protection for the roof.

COMPATIBLE USES

- Resistant to UV Rays
- Resistant to fungal, algae and mould growth
- Alternative use of bridging cracks while remaining flexible
- Low VOC ensures it is environmentally friendly
- Non-toxic lead, mercury and heavy metals free

Nippon Paint SolaReflect Roof-Seal Waterproofing is available in 10 different colour tones to suit varying aesthetic preferences on different roof types for enhanced visual appeal.

COMMENTS

RESISTANT TO UV RAYS
RESISTANT TO FUNGAL, ALGAE AND MOLD GROWTH
ALTERNATIVE USE OF BRIDGING CRACKS WHILE REMAINING FLEXIBLE
LOW VOC ENSURES IT IS ENVIRONMENTALLY FRIENDLY
NON-TOXIC LEAD, MERCURY AND HEAVY METALS FREE

HOW TO APPLY NIPPON PAINT
SolaReflect Roof-Seal Waterproofing

CONCRETE AND METAL ROOF

- **Primer:** 1 coat of Nippon Paint Roof-Seal Primer
- **1st Layer:** 1st coat of Nippon Paint SolaReflect Roof-Seal Waterproofing
- **2nd Layer:** Lay fibremesh while the 1st coat of Nippon Paint SolaReflect Roof-Seal Waterproofing is still wet (applicable to concrete roof only)
- **3rd Layer:** 2nd coat of Nippon Paint SolaReflect Roof-Seal Waterproofing
- **4th Layer:** Final coat of Nippon Paint SolaReflect Roof-Seal Waterproofing

Overcoating Time
2 hours minimum based on normal conditions.

Cleaning
All equipment should be cleaned with water after use.

COLOURS

Nippon Paint SolaReflect Roof-Seal Waterproofing is available in 10 different colour tones to suit varying aesthetic preferences on different roof types for enhanced visual appeal.

**COLOUR OPTIONS**

- RS-001 Sincere White
- RS-002 Watermark
- RS-003 Ashen Gray
- RS-004 Pepper Gray
- RS-005 Harlequin
- RS-006 Maple Brown
- RS-007 Gallery Green
- RS-008 Earthenware
- RS-009 Aloe Green
- RS-010 White

All colours shown are for reference only. Colours shown are as close to Nippon Paint colours as modern printing techniques permit. To approach Nippon Paint salesperson for actual colour chips.