



# NIPPON WEATHERBOND SOLAREFLECT

*External Emulsion*

## Product Description:

Nippon Weatherbond Solareflect is pure acrylic-based paint with non-added lead and mercury. It is specially formulated with low VOC and low odour for exterior walls to protecting the exterior surfaces from the extremities of Malaysian weather. It also provides tough finish that resists colour fading from UV light and the build up of dirt, mould and algae. The innovative Solareflect technology reduces surface temperature by up to 5°C. This makes the interior cooler, thus helping to save energy.

## Recommended Uses:

For the decoration and protection of exterior walls.

## Composition:

<b>Pigments</b>	: Mainly Titanium Dioxide, Iron Oxide, Organic Pigments and Mineral Extender
<b>Binder</b>	: Pure Acrylic Emulsion
<b>Thinner</b>	: Water

## Properties:

<b>Colour</b>	: A wide range of colours. Please refer to colour card.
<b>Appearance</b>	: Low Sheen

**Recommended no. of coats** : 2 coats

**Recommended Dry Film Thickness Per Coat** : Around 30 µm (Dependent on the substrate condition)

**Drying Time**  
Touch Dry : Dependent on temperature and humidity.  
Hard Dry : 45 minutes

**Recoating Interval** : 2 – 3 hours

**Solid content** : 56 +- 2% by weight (Based on White and Pastel Shade)

**Specific Gravity** : 1.34 +- 0.03 Kg/L (Based on White and Pastel Shade)

**Theoretical Coverage at Recommended Dry Film Thickness** : 11 - 13 m<sup>2</sup> per litre per coat  
: (Actual coverage is dependent on substrate condition.) \*

**Application Methods:**

- 1) **Brush / Roller** : For the 1<sup>st</sup> and 2<sup>nd</sup> coats, dilute with 5% water.
- 2) **Conventional Air Spray** : Dilute the paint with 20% water.
- 3) **Airless Spray** : Dilute the paint with 5% water for the 1<sup>st</sup> and 2<sup>nd</sup> coats.

**Clean Up** : Clean up equipment with water immediately after use.

**Surface Preparation:**

Remove all loose, defective paint or powdery residues by wire brushing, scraping or high pressure water jet. Treat any areas affected by fungus growth with Nippon Fungicidal Wash Solution. Repair cracks, uneven surfaces with Nippon ACS Putty or suitable fillers. Smoothen the putty / filler areas with sandpaper. Allow all surfaces to dry completely prior to painting. 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 16% measured by protimeter and alkalinity of the walls to be below pH9.)

**Previously Painted Surfaces**

Remove all unstable paint film, loose chalk, dust and foreign matter. Make good any surface defects, clean off and dry. Repaint with 1 coat of Nippon Acrylic 5170 Wall Sealer or Nippon Hi-bond Wall Sealer to improved the adhesion between the top coat and substrate.

**Recommended Paint System****Type of Substrate:**

FOR EXTERIOR WALLS

Sequence	Product Name	No. of Coats
Sealer	<b>Nippon VL 5100 Wall Sealer</b> is recommended for new surface. <b>Nippon Acrylic 5170 Wall Sealer and Nippon Hi-bond Wall Sealer</b> is recommended on repainting and skim coated surface.	1
Finish	<b>Nippon Weatherbond Solareflect</b>	2

**Standard Packing** : 1 litres, 5 litres and 20 litres

**Safety, Health and Environmental Information:**

Keep container tightly closed and keep out of reach of children or away from food and drink.  
Ensure good ventilation during application and drying.  
When applying paint, it is advisable to wear eye protection.  
In case of contact with eye, rinse with plenty of water immediately and seek medical advice.  
Remove splashes from skin by using soap or water.  
Paint must always be stored in a cool place.  
When transporting paint, care must be taken. Always keep container in a secure upright position.  
Dispose off any paint waste in accordance with the appropriate Environmental Quality Regulations.

**Note:**

\* Theoretical Coverage is based on a mathematical formula

$$\left[ \frac{\text{Volume Solid \% x 10}}{\text{Dry Film Thickness}} \right] = \text{m}^2 / \text{lit} / \text{coat}$$

and does not consider LOSS FACTORS.

Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.

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 data without prior notice.