



NIPPON SOLAROOF

External Emulsion

Product Description:

Nippon Solarroof is a pure acrylic-based paint with non-added lead and mercury which is specially formulated with low VOC and low odour for painting and repainting of tiles roof by protecting the exterior surfaces from the extremes of Malaysian weather. It is easy to apply and forms a smooth thorough film which is durable, fungus and algae resistant, and has excellent gloss and low dirt collection. 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 tiles roof surface.

Composition:

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

Properties:

Colour	: A wide range of colours. Please refer to colour card.
Appearance	: High Gloss

Recommended no. of coats : 2 -3 coats

Recommended Dry Film Thickness Per Coat : 35 - 50 µm

Drying Time

Touch Dry	: Minimum 30 minutes
Hard Dry	: Minimum 3 hours

Recoating Interval : Minimum 4 hours

Theoretical Coverage at Recommended Dry Film Thickness : 8 - 10 m² per litre per coat
(Actual coverage is dependent on substrate condition.) *

Application Methods:

- 1) **Brush / Roller** : This paint is ready for use after thorough stirring. If necessary, thin with 5% water.
- 2) **Conventional Air Spray** : Dilute with 10% water.
- 3) **Airless Spray** : Dilute both the 1st and 2nd coats with 5% water.
- Clean Up** : Clean up equipment with water immediately after use.

Surface Preparation:

Remove all dirt and dust by water jetting. Allow surfaces to dry out thoroughly. Ensure that the surfaces are free from loose dirt, dust, grease, oil and other contaminants. All unstable paint film must also be removed. NP Hi-Bond Wall Sealer is recommended to further improved on the adhesion of Nippon Solarroof.

Previously Painted Surfaces

Remove all unstable paint film, loose chalk, dust and foreign matter by water jetting. Make good any surface defects, clean off and dry.

Recommended Paint System

FOR TILES ROOF

Sequence	Product Name	No. of Coats	Remark
Primer	Nippon Roof Primer.	1	A coat of Nippon Hi-bond Wall Sealer or Nippon Acrylic 5170 Wall Sealer is recommended to further improve the adhesion on powdery roof tile.
Finish	NIPPON SOLAROOFF	2 - 3	

FOR METAL ROOF

Sequence	Product Name	No. of Coats	Remark
Primer	Nippon Roof Primer.	1	A coat of Nippon Zinc Chromate Primer is recommended on rusting areas.
Finish	NIPPON SOLAROOFF	2 - 3	

Standard Packing : 5 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.