



NIPPON INSULCOAT WB100

Basecoat

Product Description:

Nippon Insulcoat WB100 is a water-borne thermal insulation coating which formulated based on elastomeric styrene acrylic polymer for exterior application. It is specially formulated to retard heat flow, this may reduce heat absorptions. It contains non-added lead and mercury.

Product Features:

- Heat Insulation
- Improves cooling efficiencies
- Environment friendly green product

Recommended Uses:

- (1) Used as basecoat for exterior, plastered walls, ceilings, concrete slab roof, tiles roof, brickwork, hard and softboard and asbestos.

Composition:

Pigments	: Mainly Titanium Dioxide and Mineral Extender
Binder	: Styrene-Acrylic Emulsion
Thinner	: Water

Properties:

Colour	: White
Appearance	: Low Sheen
Volume Solids	: ~ 65%

Recommended no. of coats	: 3 ~ 5 coats
Recommended Dry Film Thickness per coat	: 300 – 500 μ m (Thicker the paint film, better the heat insulation efficiency)
Dilution Factors	: Maximum 5% by weight, kg.
Drying Time	
Touch Dry	: 2 hour (depends on temperature and humidity)
Hard Dry	: 4 hours
Recoating Interval	: Minimum 4 hours

Theoretical Coverage	: 6 - 8 m ² per Litre per coat (Actual coverage is depended on substrate condition.)*
Application Method	: By brush / roller
Clean Up	: Clean up equipment with water immediately after use.

(1) System for roofing

<u>Recommended Paint System</u>			
<u>Type of Substrate</u>			
CONCRETE SLAB ROOF, TILES ROOF			
Sequence	Product Name	No. of Coats	Remark
Sealer	Nippon 5170 Wall Sealer	1	
Basecoat	Nippon Insulcoat WB100	3 ~ 5	
Finish	Nippon Weatherbond Series products	2	

(2) System for Masonry

<u>Recommended Paint System</u>			
<u>Type of Substrate</u>			
PLASTERED WALLS, CEILINGS, BRICKWORK, HARD AND SOFTBOARD AND ASBESTOS.			
Sequence	Product Name	No. of Coats	Remark
Sealer	Nippon 5100 Wall Sealer / Nippon 5170 Wall Sealer / Nippon Hi-Bond Wall Sealer	1	
Basecoat	Nippon Insulcoat WB100	3 ~ 5	
Finish	Nippon Weatherbond Series products	2	

Surface Preparation:

Surfaces to be painted must be cleaned thoroughly and dry, it must be free from dirt, grease and other foreign matters. Allow all surfaces to dry completely prior to painting. Avoid painting when the moisture content and alkalinity of the walls are still high.

Previously Painted Surfaces

Remove all unstable paint film, loose chalk, dust and foreign matter. Make good any surface defects, clean off and dry. Do not paint on chalky or powdery surface.

Standard Packing

: 5 liters , 20 liters

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

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

The dry paint film thickness and actual coverage does not consider LOSS FACTORS.
Variables like porosity of substrate, application method, dilution ratio, 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.