INSULCOAT WB 100

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

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<th>Paint Type</th>
<th>Product Type</th>
<th>Finishing</th>
<th>Recommended Substrate</th>
<th>Pack Size</th>
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<td>Water based</td>
<td>Exterior</td>
<td>Low Sheen</td>
<td>Plastered walls, ceilings, concrete slab roof, tiles roof, brickwork, hard and soft board and asbestos.</td>
<td>5 Litres, 20 Litres</td>
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Composition
- Pigment: Titanium Dioxide and Mineral Extender
- Binder: Styrene Acrylic Emulsion
- Thinner: Water

Technical Data
- Drying Time: Touch Dry: 2 hours (Dependent on temperature and humidity)
- Hard Dry: 4 hours (Dependent on temperature and humidity)
- Recoating Time: 4 hours (Dependent on temperature and humidity)
- Dry Film Thickness: Around 250 - 300 μm (Thicker the paint film, better the heat insulation efficiency)
- No. of Coats: 2 – 3 coats
- Theoretical Coverage: 6 – 8 m² per litre per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance)
- Volume Solid: ~ 64%
- Shelf Life: Up to 36 months in tight sealed container

Application Method
- Brush / Roller: Dilute the paint with not more than 5% of water. Preferable not dilute for best performance.

Recommended Coating System

CONCRETE SLAB ROOF, TILES ROOF
- Sealer / Primer: Acrylic 5170 Wall Sealer: 1 Coat
- Basecoat: Insulcoat WB 100: 2 - 3 Coats
- Top Coat: Weatherbond Series products: 2 Coats

PLASTERED WALLS, CEILINGS, BRICKWORK, HARD AND SOFTBOARD AND ASBESTOS
- Sealer / Primer: Vinilex 5100 Wall Sealer / Acrylic 5170 Wall Sealer / Hi-Bond Wall Sealer (on powdery or skim-coated surface): 1 Coat
- Basecoat: Insulcoat WB 100: 2 - 3 Coats
- Top Coat: Weatherbond Series products: 2 Coats
### TECHNICAL DATA SHEET

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<th>METAL ROOFING</th>
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<td>Sealer / Primer</td>
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### Surface Preparation
Remove all loose, defective paint or powdery residues, loose chalk, dust, fungus, algae and foreign matter. Treat any areas affected by fungus growth with Fungicidal Wash Solution. Repair cracks, uneven surfaces with suitable exterior grade fillers. Smoothen the filler areas with sand paper. 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. (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.) Spot prime with Nippon Exterior Wall Sealer.

### Cleaning
Clean up equipment with water immediately after use.

### Safety Precautions
- Keep container tightly closed and keep out of reach 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 Environment Quality Regulations.

### Note
* Theoretical Coverage is based on a mathematical formula

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

and does not consider LOSS FASTORS.
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 without prior notice.