



Quality beyond Innovation

**Philippine SkyBird Industrial Corp.**

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# HYDROPROOF WR

## Silane Siloxane Based Water Repellent

### DESCRIPTION

**HydroProof WR** is deep penetrating silane siloxane based water repellent. It has a micro molecular structure that helps to achieve deep penetration inhibiting water ingress into the substrate.

### USES

**HydroProof WR** is used as a clear coat to protect concrete surfaces, stone cladding, coloured plasters, tiles, tile grout, decorative renders, marine and coastal structures, rafts, precast panels, highways, runways, decks, bridges, cut and cover tunnels, silos, car parks slab, etc.

### ADVANTAGES

- Deep penetrating due to small molecular structure
- Prevent ingress of waterborne chlorides and sulphate
- Chemically bonds to the substrates
- Performs on both neutral and alkaline substrates
- Chemically resistant to fuel, atmospheric contaminants and oils
- Water vapor permeable but resistant to liquid water
- Excellent beading as fast as 5 minutes after application
- Breathable
- Help to prevent efflorescence
- Resistant to UV rays

#### TYPICAL PROPERTIES at 25°C

| PROPERTY             | TEST METHOD | VALUE                 |
|----------------------|-------------|-----------------------|
| Component            | –           | Single component      |
| Form                 | –           | Liquid                |
| Colour               | –           | Clear                 |
| Depth of penetration | –           | >4 mm                 |
| Drying time          | –           | 30-60 secs            |
| Recoat time          | –           | 60mins                |
| Recoat time          | –           | Immediate, wet on wet |
| Application temp.    | –           | +5°C to +40°C         |
| Scaling Resistance   | ASTM        | Passed                |



### SURFACE PREPARATION

Surface should be clean, free of dust, loose particles, greases, oil, primers from previous membrane system or bitumen. Bitumen or primers should be removed by shot blasting or mechanical means. Surfaces that have been clean with water should be allowed to dry out completely before application.

### APPLICATION

**HydroProof WR** should be applied in 2-3 coats, wet on wet, at an application rate of 5m<sup>2</sup>/ltr/coat. It may be applied by roller, brush or portable knapsack spray. Do not add water.



### PACK SIZE

16 ltr and 200 ltr

### COVERAGE

5m<sup>2</sup>/ltr/coat

Actual coverage depends on the porosity and texture of the substrate

## **GENERAL INFORMATION**

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

## **CLEANING**

Clean all equipment and tools with water immediately after use.

## **HEALTH and SAFETY**

Gloves, goggles & suitable mask must be worn.

## **PRECAUTIONS**

Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.

## **DISPOSAL**

Do not reuse containers. To be disposed off as per local rules and regulations.

## **TECHNICAL SERVICE**

**Philippine SkyBird Industrial Corp.** Services are available on request for on-site support to assist in the correct use of its products.