



*Quality beyond Innovation*

## Philippine SkyBird Industrial Corp.

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# HYDROGUARD PU-H

## Polyurethane Hybrid Elastomeric Waterproofing

### DESCRIPTION

**HydroProof PU-H** is a single component, polyurethane-acrylic waterproofing. It forms a highly elastic, seamless membrane. It has excellent adhesion to most common substrates such as concrete, metal, etc. shows very low water uptake with high crack bridging ability.

### USES

**HydroProof PU-H** is used to protect and waterproof roofs, exterior walls, plasters, renders, etc. It is used as a UV resistant and anti-carbonation coating for roof deck, firewall, carparks, bridges, tunnels and structures exposed to aggressive elements.

### ADVANTAGES

- Excellent resistance to UV, weathering and CO<sub>2</sub>
- Single component, easy to apply
- Highly flexible
- Excellent long-term durability
- Can be applied to a wide range of substrate
- Low dirt picks up
- Environment friendly, can be applied in confined areas
- Excellent build properties, enable application to horizontal and vertical surfaces
- No solvents or fire hazard

### SURFACE PREPARATION

Surface should be sound, clean, dry and free of dust, loose particles, greases, oil. Small holes, pin holes, defects, hairline cracks be repaired by using PowerFix range of repair materials.

### MIXING

Stir the material thoroughly before applying

### APPLICATION

Do not apply at temperatures below 6°C and above 40°C and at relative humidity above 80%. Adverse conditions in the application can alter the properties of the product.

Apply a coat of **HydroProof PU-H** and let it dry for 24 hours.

### TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Colour		Various colours available
Solid Content	ASTM D1644	60 +/-5%
Set to touch	-	60 mins
Recoat time	-	24 hrs minimum
Full Cure	-	7 days minimum
UV Resistance	ASTM G53	No effect or change in color after 300hrs
Tensile strength after 3 days	-	4.5 NM/mm <sup>2</sup>
Elongation at break after 3 days	-	700%
Crack bridge ability	ASTM C836	No crack at 3mm

### PACK SIZE

20 LTRS/PAIL

### COVERAGE

0.7 L/m<sup>2</sup>/coat (depending on substrate condition)

### 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.

### TECHNICAL SERVICE

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

