

PRODUCT CODE 6724

# SmartCare PU Aqua

Asian Paints SmartCare PU Aqua is a single component liquid applied polyurethane coating for waterproofing of concrete surfaces.



**WATER BASED**

**LEAD FREE\* GUARANTEE**

\* All Asian Paints products contain no added Lead, Mercury, Arsenic or Chromium from April 2008.



## AREAS OF APPLICATION

- Retaining Walls
- Wet Areas
- Terrace
- Parapet Walls

## FEATURES AND BENEFITS

- Easy to apply by brush and roller
- Forms seamless membrane upon curing
- Optimum elongation and crack bridging ability
- Excellent resistance to hydrostatic water pressure
- Excellent resistance to weathering
- UV Resistant

## PRODUCT DETAILS

### CHEMICAL PARAMETERS:

Polyurethane Dispersion

### PHYSICAL PARAMETERS:

- **Colour and appearance:** White (viscous paste)
- **Packaging:** 20 L
- **Shelf life:** 2 Years
- **Coverage:** 1.5 - 2 kg per sq. m in two coats for 1mm DFT

### PHYSICAL PARAMETERS:

PARAMETER	TEST STANDARD USED	TYPICAL VALUES
Weight Per Liter	ASTM CD 1475	1.2 kg
Tensile Strength	ASTM D 2370	>1.5 MPa
Elongation	ASTM D 2370	450%
Crack Bridging Ability	AS-NZ 4548	Up to 4mm
Solid Content	ASTM C 1250	60%
Water impermeability 7 MPa, 72 hours	BS EN 12390 - 8	0 mm
Colour of Dry film	Visual	White

## APPLICATION METHOD

### SURFACE PREPARATION

**New Concrete Floors:** should be cured for at least 28 days old and have a moisture content of less than 5- 10%. Excessive laitance should be removed by mechanical methods. Dust and other debris should be removed by vacuum cleaning. Any fine cracks or pin holes should be covered with Epoxy-based mortar.

**Old Concrete Floors:** damaged areas or surface irregularities should be repaired using epoxy-based mortar. All cracks larger than hairline shall be considered as moving and must be repaired with epoxy-based mortar. All delaminated and splashed areas of concrete shall be repaired prior to application of PUD with epoxy-based mortar.

### PRIMING

- Apply Asian Paints SmartCare Epoxy Primer as per recommended coverage of 80 – 100 Gram per square meter.
- [Mixing ratio of Resin: Hardener: Water is 1 : 1 : 2 parts by weight]
- Allow primer to surface dry for 2 - 3 hours.

### APPLICATION OF PUD WATERPROOFING

Before application, mix the material well with mechanical mixer to get homogeneous brush able consistency. Apply mixed material with brush or roller at recommended coverage for first coat and allow to dry for 8 - 10 hours before 2<sup>nd</sup> coat applications, depending on the ambient conditions and surface temperature. Similarly apply 2<sup>nd</sup> coat at recommended coverage. both coat should be applied to cross – direction to each other. Wet test may be performed when at least 72 hours have passed since application of the final coat.

## SAFETY FEATURES & PRECAUTIONS

- Kindly refer to the MSDS for Asian Paints SmartCare PU Aqua which gives detailed information on safety measures while handling the paint, which is available on request.
- Store the container with the lid tightly closed in an upright position, in a cool, dry place
- Keep out of reach of children and away from eatables.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Do not pour leftover paint down the drain or in water courses.
- In the event of spills, contain spillage using sand or earth.
- No added Lead, Mercury or Chromium compounds.

## STORAGE PRECAUTIONS

Store at a cool and dry place at ambient temperatures.