

### DESCRIPTION

**CAP PU COAT P20** is a single component, VOC-compliant, ready-to-use, polyurethane based waterproofing membrane that is applied as liquid.

**It cures by self crosslinking**, maintains its elasticity, suitable for applications to horizontal and vertical surfaces. **CAP PU COAT P20** is specially designed from a blend of polyurethane, reinforced with special water repelling fillers, minerals, stabilizers and gelling agent. After curing reaction, it will be formed to a tough and flexible waterproofing membrane with high elasticity, suitable for applications to horizontal and vertical surfaces.

### OUTSTANDING FEATURES

- It's a highly elastic product, cures to a rubber like membrane capable of withstanding severe cases of expansion, contraction and deck movements.
- Highly resistant to oxidation, UV light and ozone because of unique additives used in compounding it. It does not crack.
- More durable than normal asphalt coating and lasts longer than most other coatings.
- Superior wetting and adhesion properties ensure durable bond and resistance to peeling, chipping, and or separation and a longer life.
- Has the unique property of adapting itself over the irregular contours of the deck and forming a waterproof and impervious blanket.

### APPLICATION FIELD

Ideal waterproofing system for concrete based wet area, built up roofs, maintenance of existing roofs, masonry and concrete walls, bathrooms, basements, bridges, decks, metal surfaces etc.

### DIRECTIONS FOR USE

#### Surface Preparation

Surface to be waterproofed shall be dry, clean, sound and free of all contaminants which may interfere with adhesion or proper curing. The substrates should not contain holes or cracks and should be dust-free. All shrinkage cracks shall be treated with suitable material. Moving structural cracks greater than 1/16" (1.6 mm) shall be routed out and caulked with approved material. Detailing like horizontal-vertical junctures, projections, expansion joints and other areas of potential high movement may require reinforcement mate and sealants to detail. Consult with Ahlia tech for further information. All detailing must be cured for a minimum period of 12 hours.

#### Application

This rapid setting liquid is spread at the desired thickness onto the prepared surface. The coating is applied from the container using standard roofing brushes, squeegees or airless spray equipment at the recommended coverage rates on properly cleaned and prepared dry substrates. Application of **CAP PU COAT P20** system should be done in one complete step to create a smooth uniform self-leveling surface without cold joints, lines or streaks. Apply the first coat at the rate of 500-micron thickness. Let it dry fully (approximately 4-6 hours should be waited between two layers), then apply the second coat (500-micron thickness). Waiting time shortens in hot weather and lengthens in cold weather.

### COLOUR

Black for interior and White for exposed surfaces.

### HEALTH AND SAFETY

Wear protective clothing, gloves and goggles.

**Skin:** - Avoid repeated or prolonged contact, if contact occurs, clean with hand cleaner that removes oil or grease, then clean with soap and water.

**Eyes:** - Contact could cause irritation. If contact occurs, flush with clean water.

**Inhalation:** -Can cause dizziness. Remove to fresh air and if breathing difficulty persist administer oxygen.

**PACKING :** 20 Kg Pail

### STORAGE

Store in cool shaded area under the maximum temperature of 35°C.

Product is not flammable.

Do not allow to freeze.

**Shelf Life-** 12 months

### TYPICAL PROPERTIES (Confirms to ASTM C 836)

PROPERTIES	TYPICAL DATA	TEST METHOD
Construction	Liquid Elastomeric polyurethane	
Tear Strength	14 N/mm <sup>2</sup>	
Tensile Strength	>1.6 N/mm <sup>2</sup>	ASTM D 412
Elongation	600%	ASTM D 412
Solid Content	65 %	
Adhesion on Concrete	2.2 N/mm <sup>2</sup>	
Low Temp.Flexibility	-35°C	
Shore A Hardness	60	
Crack bridging	Passed 1/16" at 15° F(-9°C)	
Permeability	1.02 perms	
Coverage	<b>2.1 Kg/1m<sup>2</sup> @ 1000 micron DFT (without wastage)</b>	
Minimum Thickness	1000 micron	
Setting time	One day	
Color	Black & White	
Duration between the coats	4 hours	

#### TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

**Note:** The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

As all Ahlia Technical Data Sheets are updated on a regular basis, it is the user responsibility to collect most recent issue.