

## Product Data Sheet

### SEA STAR SEALCOAT PU20

## POLYURETHANE WATERPROOFING AND PROTECTIVE COATING

#### DESCRIPTION

SEALCOAT PU20 is a cold-applied, single-component, ready to use elastic polyurethane waterproofing and protective coating with seamless finish and excellent crack-bridging properties. Polyurethane is modified with specially selected polymers to form a flexible and durable coating. It has an excellent mechanical property that remain stable over the years making the product highly durable.



#### WHERE TO USE

- New roofs and repairs to existing roofs
- Terraces, balconies, basements, walkways.
- Wet areas, pools, bathroom, kitchens
- Green roofs.

#### CAN BE APPLIED ON

- Concrete
- Masonry
- Cementitious screeds
- Fiber-cement boards
- Metal surfaces,
- Aluminium sandwich panel

#### CHARACTERISTICS

- Single component.
- Easy to apply.
- Forms a highly Rubberized, tough membrane.
- Environmentally friendly.
- Low VOC
- High tensile strength & elongation
- Excellent crack bridging
- UV resistance
- Excellent resistance to water
- High resistance against chlorides, sulphates, bacteria, oil and common fuels.

#### RECOMMENDATIONS

- Do not apply in temperatures lower than +5°C or higher than +40°C.
- Do not apply if it is raining or about to rain.
- Do not apply if dew is present on the surface.
- Do not apply on surfaces with residual humidity or subject to rising damp.

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## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

- Substrate should be clean, free from dirt, dust, and all loosely adhering particles.
- Cement-based surfaces should be thoroughly saturated with water to achieve surface saturated dry condition.
- All cracks larger than 1mm should be filled with cement base concrete repair (Sea Star Crack Filler)
- Steel surface should be grit blasted then clean by solvent and kept to dry.

### PRIMING

Sealcoat PU20 does not require priming and can directly be applied onto the concrete surfaces. In case of highly porous surface, a priming coat is recommended to seal the pores and stabilize the surface.

### MIXING

Sealcoat PU20 is a single component ready to use product but mix the contents thoroughly prior to application to remove any sediment. A slow speed drill and suitable paddle mixer shall be used to avoid the formation of air bubbles.

### APPLICATION

- The coating can be applied with a brush, roller or airless spray and shall be applied in a minimum of 2 coats.
- The 1st coat shall be allowed touch dry before the 2nd coat is applied.
- The 2nd coat shall be applied cross wise to the first coat.
- The coating will achieve its full strength after a curing period of 24-48 hours depending on the weather conditions.

## TECHNICAL INFORMATION

| PROPERTIES                            | VALUES            | TEST STANDARDS    |
|---------------------------------------|-------------------|-------------------|
| Specific gravity                      | 1.1 + 0.05        | ASTM D 1475       |
| Tensile strength (N/mm <sup>2</sup> ) | >8N               | ASTM D 412        |
| Elongation                            | >500              | ASTM D 412        |
| Tear Resistance.                      | >15 N             | ASTM D 624        |
| QUV accelerated weathering            | Passed 2000 hrs.  | ASTM G 53         |
| Resistance to bacteria                | No Attack         | ASTM D 4299       |
| Resistance to Algae                   | No Attack         | ASTM G 29         |
| Service temperature                   | 30 to 80 degree   |                   |
| Single component.                     | Single component. | Single component. |

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### SEA STAR SEALCOAT PU20

#### COLOUR

White, Gray and Blue

#### COVERAGE

20kg cover 300 SFT for 1.5mm DFT in 2 coats.

#### PACKAGING

Available in 04 kg & 20 kg.

#### STORAGE & SHELF LIFE

Store under cover, out of direct sunlight and protect from extreme temperatures.  
The shelf life is up to 12 months in unopened conditions if stored as per the recommendations.

#### HEALTH AND SAFETY

- All construction chemicals products caution should always be exercised.
- Protective clothing such as gloves and goggles shall be worn.
- Treat any splashes to the skin or eyes with fresh water immediately.
- Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.