

WATERPROOFING – APS1

Solvent Based Bitumen Primer For Bituminous Waterproofing Membrane

Bitumen Primer APS1 is a low-viscosity, solvent-based bitumen primer known for its quick drying properties. It serves as a primer coat on concrete and masonry surfaces, enhancing the adhesion of bitumen-based coatings and membranes. Bitumen Primer APS1 effortlessly penetrates concrete pores due to its low viscosity, fostering better adhesion between the concrete surface and the membrane. Moreover, it acts as a binder for dust particles present on the concrete surface, ensuring improved adhesion even after cleaning. Bitumen primer conforms to BS 3416, Type A Class C & ASTM D 41.

PRODUCT FEATURES

Cold Applied

Acts as a Binder for Dust Particles

Penetrates Porous Substrates

Enhances Adhesion

Anti-corrosive

PRODUCT DETAILS

PACKAGING

20 L

APPEARANCE / COLOUR

Liquid / Black

SHELF LIFE

12 months*

*When stored in dry conditions. Avoid exposure to direct sunlight, UV radiation, and other heat sources.

AREAS OF APPLICATION

- Inverted Roofs and Parapets**
- Bridges and Tunnels**
- Terraces, Balconies and Roof Gardens**
- Concrete Foundations, Basements and Isolated Footings**
- Sunken Slabs and Swimming Pools**
- Car Park and Irrigation Canal Lining**

TECHNICAL INFORMATION

Properties	Standard Values
Drying Time	6-8 Hours
Coverage	4-6 sq. m/L per coat. Coverage may vary depending on the porosity of the substrate.
Density, g/cc	0.8 - 1.1
Solid Content, %	52 - 56
Application Temperature, °C	5°C to 55°C

APPLICATION INSTRUCTIONS

Substrate Preparation:

- Newly poured concrete should undergo a curing period of at least 28 days.
- Clean any loose or unsound substrate, oil, dust particles and make the surface smooth and free from defects.
- For Repair: Remove existing membrane, if any. Surface should be sound and oil free.

Application:

- Apply Birla Opus Prime APS1 Solvent Based Bitumen Primer onto a clean, smooth and dry surface using a brush, roller, or spray in a single coat as per the specified consumption rate.
- Ensure thorough wetting and coverage of the surface.
- In certain cases, a second coat of primer may be required; allow 24 hours between successive coats.
- Ensure that Birla Opus Prime APS1 Solvent Based Bitumen Primer is completely dry before applying any bituminous membrane on top.

SAFETY & PRECAUTIONS

1. Avoid applying Birla Opus Prime APSI on wet substrates or shortly after rainfall.
2. Do not dilute Birla Opus Prime APSI without prior written confirmation from technical person from Birla Opus team.
3. Ensure application by trained and authorized personnel.
4. Any naked flame should be kept well away from gas cylinders.
5. The torch should not be rested on finished roofing.
6. Extreme care should be taken when working near combustible materials or items which might be scorched by the gas flame.
7. Not to be applied in extreme cold climatic conditions (below 0° C).
8. Not to be applied on damp/wet areas & areas subject to moisture restoration.
9. The moisture content on the surface should not exceed 8% to overlay the membrane.
10. Adhere closely to installation protocols outlined in method statements, application guides, and operational directives, ensuring adaptation to always prevailing site conditions.
11. Kindly refer to the MSDS, which gives detailed information on safety measures while handling.