

DESCRIPTION

BAYPROOF SB1K® is a Cold Applied Single Component highly polyurized bitumen membrane when cured will achieve an exceptionally high Elasticity with excellent chemical and mechanical resistance

USES

BAYPROOF SB1K® Is Suitable for:

- ☐ Inverted Built Up Roofs
- ☐ Masonry & Metal Surfaces
- ☐ Basements
- ☐ Plantation Areas
- ☐ Concrete Walls
- ☐ Wet Areas
- ☐ Under-tilling floor surfaces

ADVANTAGES

- ☐ Highly Elastic
- ☐ High Tensile Strength
- ☐ Crack Bridging > 3mm
- ☐ Rubber Like Membrane
- ☐ Resistant To Oxidation
- ☐ Root Inhibitor
- ☐ Highly Durable
- ☐ Repair Friendly

COMPLIANCE

Complies with ASTM D-412, DIN 52455, ASTM D 4541, ASTM C 836

MATERIAL DATA

Type	Solvent Base
Form	Blackish finish
Packing	5 USG Pack
Storage	12 month in unopened packaging, between 5°C and 35°C

TECHNICAL DATA

Property	Value	Test Method
Solid Content	60±2%	ASTM D 1353
Specific weight	.95-1.0	ASTM D 1475
Tensile Strength	>7.0 N	ASTM D 412
Tear Resistance	>15 N	ASTM D 624
Shore Hardness A	75	ASTM D 2240
Elongation at Break	>1500	ASTM D 412
Depth Penetration of water under pressure @ 5 bar	No Leakage	BS EN 12390-8
UV Condensation Cycle @ 60°C for 1000 hours	No Defect No Discoloring	ASTM G 154-16
Resistance to Bacteria	No Attack	ASTM D 4299
Resistant to Algae	No Attack	ASTM G 29
Water Vapor Transmission	<0.7 gm/m ² /day	ASTM E 96
Service Temperature	-30 to 80 °C	-

APPLICATION DETAILS

Surface Preparation

Substrate should be sound, clean and free from dirt, dust, laitance 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 mortar.

Method of application:

1. Apply Priming coat at a rate of 0.1-0.15l/m² of **BAYPRIMER PU4060®** or self-prime the **BAYPROOF SB1K®** using 20% xylene. Insure proper spreading and coverage of Pinholes. Cement base Surfaces with heavy pinholes distribution, will require the application of **BAYPRIMER PU4060s®**

(Consult with our technical department for more info and technical advice)

2. Apply 1 coat of **BAYPROOF SB1K®** at a rate of 0.25-0.50 mm WFT
3. Optionally Apply layer of Reinforcement Sheet For Higher tear resistance and angle filling over coating
4. Apply final layer at a rate of 0.35-0.50mm WFT

Plantation areas Application procedure

1. Apply Priming coat at a rate of 0.1-0.15l/m² of **EPOPRIME 65®** Solvent base Epoxy primer.
2. Silica quartz distribution size 0.3-0.6mm on wet **EPOPRIME 65®**
3. Apply 1 coat of **BAYPROOF SB1K®** at a rate of 0.25-0.50mm DFT
4. Optionally Apply Layer of Reinforcement Sheet for Higher tear resistance and angle filling over coating
5. Apply final layer at a rate of 0.35-0.50mm DFT

MIXING RATIO AND PROCEDURES

1. Thinning up to-10% using Bayshield Nominated Thinner
2. For large volume mixing use a low-speed drill and mix it for 3 min

THEORETICAL SPREADING RATE

~1.5/m² in 2 coats

CURING

- ☐ 2-4 hr Touch dry
- ☐ 12-24 hr Partial curing and subject to water test
- ☐ 48 hr complete curing

PROTECTION MEASURES

BAYPROOF SB1K® is Solvent based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- ☐ Splashes to skin must be washed off with water and Soap.
 - ☐ Splashes to the eyes must be rinsed with clean warm water.
- Seeking medical attention is highly recommended and mandatory

WATERPROOF PRODUCT

Important Notice:

The above data is based on our experience and extensive laboratory tests. It may be considered to be a general advice only and cannot be granted to meet the requirements for all the intended uses. It is the responsibility of the end user to ensure that the product is suitable for the purpose for which he wishes to use it. In view of many varying factors that are encountered during the application of the product it does not exclude the end users from not conducting their own test before actually using the product. We are thus only responsible for the quality of the product itself and not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product. Any such matters should be specifically agreed to in writing by us. Bayshield reserves the right to modify the contents of the data sheet from time to time without notice as a system requirement in updating our products from time to time.