

SmartPU WB

Water Based Elastomeric Waterproofing Membrane

SmartPU WB is a water-based bitumen modified polyurethane emulsion. It is dark brown in colour and dries to a black flexible coating. When dried, it is impermeable to water and will not re-emulsify in water. It is odour-less and taint free.

FIELDS OF APPLICATION

- Diluted with water as a primer for other bituminous application
- Indoor floor and wall damp-proofing, general and roof waterproofing
- Acts as a protective coating on surfaces such as concrete, cement rendering, metal, etc.
- Bathroom, gutter and plater boxes
- Basement, foundation and retaining walls
- Protect coating for metal corrosion
- Lining for tanks and pipes

TECHNICAL DATA

PROPERTY	TYPICAL RESULTS
Appearance	Dark brown when wet and black on drying
Solid Content	80% to 85% by weight
Specific Gravity (estimate)	1.00 ± 0.05
Consistency	A non-drip thixotropic paste of brushing consistency
Toxicity	Non-toxic
Flexibility	Provides a firm but flexible coating within the service temperature range from 5°C to 50°C
Setting or Drying Time	Under indoor condition at room temperature of 30°C and humidity of 80%, a wet thickness of 0.6 mm shall dry in about 4 hours
Chemical & Water Resistance	Resistance to water, alcohol, most salt solutions and some diluted acids and alkalis. Not resistant to oils, solvents and strong detergent solutions
Elongation at break	600%
Heat Flow Resistance	The cured film will not flow or sag under direct sunlight
Tensile Strength	3.5 kg/cm ²

BENEFITS

- Fast drying
- Non-toxic and ideal for confined areas
- Good substrate adhesion
- Can be applied on damp or wet surfaces
- Abrasion resistant
- Greatly flexible

• All the data shown are based on controlled laboratory test (T=27±2°C and RH=60%)

PLACING

SmartPU WB should be applied via a brush or spray. Do not overcoat excessively in a single layer in order to prevent air pocket formation. Multi-coat applications are possible with sufficient drying time in between coats.

It is recommended to apply **SmartPU WB** between temperatures of 5°C to 50°C for the best results possible.

COVERAGE / YIELD

1.5 litre per square metre per 2 layers of coat.

PRECAUTIONS

- Avoid eye and skin contact as the product is alkaline.
- Gloves, goggles and dust mask should be worn.
- Wash thoroughly after handling.
- In case eye contact, flush with plenty of clean water. Seek medical help immediately.
- Clean hands and tools with cold water when wet and use kerosene or solvent when dry.

PACKAGING & STORAGE

SmartPU WB is available in 20 litre pails or 200 litre drums and has shelf life of 2 years if stored in a cool and dry place in sealed packaging with sheltered protection from rain and sunlight.

SmartPU WB is subjected to damage by frost and should be stored at temperatures between 5°C to 40°C.

DISCLAIMER

All information was prepared carefully, using current references available to us. Information provided is to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself/herself as to the suitability and completeness of information provided here for their intended use. We do not accept liability for any loss or damage that may occur from the use of this information.