

PC Seal BPU



PU Modified Bitumen Waterproofing Coating

Product Overview

PC Seal BPU is a ready to use, high performance liquid waterproofing membrane, which is based on polymer modified bitumen emulsion. PC Seal BPU forms a highly elastic, seamless and durable film which display good adhesive properties when applied to common surfaces like cement blocks , concrete, wood, existing roof felts. PC Seal BPU is resistant to chlorides and sulphates which are commonly found in the soil.

Areas of applications

1. Retaining walls
2. Wet areas of kitchen, toilet floors, balconies
3. Substructures and facade damp-proofing

Properties

1. PC Seal BPU is a ready to use, single component product
2. PC Seal BPU is resistant to temperature up to 120°C
3. It is easy to use.
4. It is non-flammable and non-toxic.
5. It is resistant to chlorides and sulphates usually present in the soil.
6. It is immediately applicable after the formwork is removed.
7. PC Seal BPU ensures permanent waterproofing.
8. It can seal hairline and even minor cracks.

Guidelines for Usage

1. Before application of PC Seal BPU, make sure that all the surfaces are sound, clean and free from all contaminants. The absorbent surfaces such as concrete should be dampened with water.
2. PC Seal BPU can be applied by brush, a roller or a squeeze. If the surface is hot then it has to be dampened with clean water before applying PC Seal BPU.
3. In case of application of two coats, the first coat needs to be dried fully before the application of the second coat.
4. PC Seal BPU acts as a non-biodegradable membrane, so it can be applied to concrete structures as soon as the mould is removed.
5. wherever, there are cracks or near the pipe; a woven fibreglass mesh should be used as a reinforcement between two coats of PC Seal BPU. standard practices.

Dosage and Measures

1. **For damp proofing/vapour barrier:** Apply two coats @ 250-300
2. **Waterproofing membrane (gm/m²/coat):** Apply 2 coats @ 1.0 (approx.)
3. **Curing membrane (kg/m²/coat):** Apply 2 coats @ 0.4 kg/m²/coat.

Packages available

20kg HDPE buckets.

Storage and Shelf life

Should be stored in a dry, undamped, unopened, undamaged, away from sunlight with original packaging, at a minimum temperature of 7°C. Its shelf life is 12 months when stored under proper conditions.

Safety Measures

1. Tools used for the application should be cleaned with water as long as the product is wet. Once the product is dry, the tools need to be cleaned with mechanical means.
2. Appropriate safety and health precautions are advised (e.g. wearing safety rubber hand gloves, safety shoes and goggles, avoiding contact with skin and eyes, etc.).

Technical data

Appearance	Thixotropic black emulsion dries to a black flexible protective membrane
Specific gravity	1.20±0.01
Solids Content	60%
Ultimate tensile strength; (ASTM D 412)	0.3 N / mm ²
pH	10 to 13
Full dry	1-3 hrs to 3-4 days (depending upon the type of surface, temperature, thickness of layer and humidity)

Properties of the dry film

Test type	Method	Result
Softening point R&B	ASTM D-36-84	>120°C
Water vapor permeability	ASTM E96-92	>0.15gm/m ² /day
Elongation at break	ASTM D412	>500%
Recovery at 350% elongation	ASTM D412	>50%
Resistance to water	ASTM D2939	No blistering or re-emulsification
Protection of building against ground water	As per BS 102 code of practice	
Curing membrane	ASTM C309:1998	

For further clarifications Please contact on below address

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