

Bituseal PR

Cold Applied Water Base Primer and Curing Membrane Based on Emulsified Bitumen

Description	A low-viscosity bitumen water base coating and curing membrane. It is a blend of selected bitumen emulsified with water which dries to form a tough curing bitumen film
Where to use	Bituseal PR provides a continuous barrier against water ingress thus; it is considered a water and vapor barrier damp-proof course for belowground concrete protection • Concrete slabs of bathrooms, roofs, and balconies • Concrete curing by water retention • Steel and concrete pipes • Corrosion protection to metal surfaces • As a primer for bituminous sheet membranes
Advantages	• Easy to use as it is a single component • Very economic • Resistant to most naturally occurring chemicals • Can be applied to damp concrete substrates • Quick drying • Excellent adhesion to most common building substrates • High coverage rate • Good mechanical properties • Does not crack at low temperatures • Non-flammable
Properties	
Specific Gravity @ 23 °C	1.05 ±0.05
Initial Drying time @ 23 °C	60 - 90 minutes
Over coating time	2 hours
Flexibility	Good
Chloride protection	V. good
Water protection	Excellent
Heat resistance	+25 °C to +100 °C
Chemical resistance	Excellent to water dilute acids, alkali's chlorides, and sulfates
Flash point	Non- flammable
Standards	ASTM C309
Surface Preparation	• All surfaces must be clean, free from grease, oil, standing water, and loose particles • All surfaces must be firm and thoroughly clean • Holes and joints must be filled
Mixing	• Agitate before use • As settlement can occur, the drum should be rolled before decanting the material • Add 10 - 20% of clean water to Bituseal PR and Stir before use

Application	- For dusty surfaces, prime with a coat of Bituseal PR diluted with an equal amount of clean water and allow drying - Apply Bituseal PR using a brush, broom, or squeegee - Apply minimum 2 coats with a time interval of 2 hours - When being utilized to damp proof solid floors, or where screed is top applied over Bituseal PR, apply a second coat at right angles and lightly grit to form a key before application of concrete
Theoretical coverage	0.2 - 0.25 Kg/m ² /coat Two coats are recommended as a waterproofing coating based on the substrate
Packaging	15 Kg Pails 200 Kg Drums
Shelf Life & Storage	12 months, when unopened
Health and Safety	This product is of low toxicity but normal precautions should be observed Wear gloves, and if working overhead or spraying, wear goggles Wash off any skin splashes with soap and water Eye contamination should be treated by irrigating the eye with an eye bathing solution Ensure adequate ventilation in confined spaces and use breathing aids If ingested, drink milk or water and seek medical attention
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble-free durable structures PROKEM designs tailor-made products should there be a critical application that requires specific properties rather than our main range. For our customer's satisfaction PROKEM reserves the right to change the properties of its products All orders are accepted subject to our current terms of sale & delivery Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products