

Bituseal E200

Cold Applied Flexible Bituminous Protective Coating

Description	Medium viscosity flexible bitumen base protective coating. It is a blend of selected bitumen rubber emulsion and special polymer, which dries to form a flexible, waterproof, damp-proof bitumen film resistant to mild soil acids and salty water. It is suitable for hot and tropical climates. It complies with BS 8102, ASTM C -309 -93, D1227 type 3 class 1, D2939 for concrete curing.
Where to use	<ul style="list-style-type: none"> • Bituseal E200 provides a continuous barrier against water ingress thus, it is considered a water & vapor barrier damp-proof course for belowground concrete protection • Below ground concrete protection • Concrete slabs of bathrooms, roofs and balconies • Concrete curing by water retention • Steel & concrete pipes • Corrosion protection to metal surfaces • As an adhesive for poly foams
Advantages	<ul style="list-style-type: none"> • 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 & impermeable to water • Excellent adhesion to most common building substrates • High coverage rate • Good mechanical properties • Does not crack at low temperatures • Non-sagging • Unaffected by high temperature
Properties	
Specific Gravity at 23 °C	1.05 ±0.05
Rubber Content %	15 ±2
Heat Resistance	-30 °C/ +100 °C
Tack free time	1 – 2 hours
Over-coating time	2 – 4 hours
Full cure time	4 Days
Water vapor transmission	3 g/m ² /day
Tensile Strength	2.1 N/mm ²
% Elongation	400 – 600 %
Surface Preparation	<ul style="list-style-type: none"> • All surfaces must be clean, free from grease and oil • Dry concrete should be wetted • All surfaces must be firm and thoroughly clean • Holes and joints must be filled with KemRepair • Ambient air & substrate temperature (+5 °C/ +55 °C)

Mixing	Add 5 – 10 % of clean water and stir to a homogeneous consistency
Application	<ul style="list-style-type: none"> • For hot, dusty & porous concrete, apply a primr coat of Bituseal E200 diluted with an equal amount of water and allows drying • Apply Bituseal E200 in 2 coats depending on degree of protection required • Bituseal E200 can be applied by brush, squeegee or spray • Where Bituseal E200 is to be topped with a screed, the second coat should be brushed off when re-coating as dried • Bituseal E 200 can be reinforced with Kemfelt EG (75 g/m²) for joints and roofs
Theoretical coverage	<ul style="list-style-type: none"> • 0.25 – 0.3 Kg/m² /coat at 125 – 150 - micron D.F.T • 0.5 – 0.75 Kg/m² /coat (reinforced) at 1000 microns D.F.T • 2 coats are recommended
Packaging	15 Kg Pails 200 kg Drums
Shelf life & Storage	12 months, when unopened
Health and Safety	<ul style="list-style-type: none"> • 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	<p>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</p> <p>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</p> <p>All orders are accepted subject to our current terms of sale & delivery</p> <p>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</p> <p>PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products</p>