

Kemseal BR11

Cementitious Waterproofing Coating

Description	<p>Kemseal BR11 is a one component thixotropic cementitious polymer modified structural waterproof protective coating for concrete and masonry</p> <p>Kemseal BR11 has a unique blend of selected organic and inorganic compounds which combines to form a free flowing waterproof coating. It is a waterproofing layer coating for finishing of concrete and masonry with excellent positive or negative waterproofing.</p> <p>The material can be manufactured based on sulphate resistant cement Type V</p>
Where to use	<ul style="list-style-type: none"> • Waterproofing coating for, block, brick, stone and other masonry interior and exterior, above or below grade • For waterproofing of basements, watertanks, swimming pools and for sealing of hairline dead cracks in concrete • For resurfacing and finishing of external concrete or masonry surfaces
Advantages	<ul style="list-style-type: none"> • Easy to use, pre-packed in a convenient and easy to handle pack • Easy to apply by brush, trowel or spray application, normally in two coats with minimum surface preparation • Can be applied to damp surfaces • Non-toxic when cured • Excellent adhesion to porous and non-porous concrete, masonry substrate, as it penetrates deep into pores • Bonds tenaciously and becomes part of the surface • Good abrasion resistance • Breathable • Prevent build up of water vapor but seals the surface against water penetration • Durable: Last as long as the concrete • Excellent over coating properties with other specialty membranes in the Prokem's cementitious waterproofing range to provide further protection and aesthetic quality • Corrosion inhibits accelerates the re-passivation of steel and provides a dense highly alkaline protective coating with high resistance to diffusion of carbon dioxide gas
Properties – ASTM C190, 580	
Apperance	Powder
Color	Grey and other colors on request
Pot life @ 20 °C	30 minutes
Chloride content	Nil
Bond strength in shear	6 – 7 N/mm ²
Flexural strength	10 - 12 N/mm ²
Surface Preparation	<ul style="list-style-type: none"> • Surfaces to be coated with Kemseal BR11 must be clean and sound, free of dust loose particles, grease, oil, curing compounds, mold oils, and primers from previous membrane systems or bitumen • Bitumen or primers should be removed by shot blasting or mechanical means <p>Spalled concrete should be repaired by cutting out to sound concrete and patching with Kemrepair range</p>



<p>Mixing</p>	<ul style="list-style-type: none"> • Kemseal BR11 is supplied in premeasured units • Slowly add the part B (powder) to clean water 7 – 8 liters in a suitable mixing container and mix to a lump-free smooth consistency – use 90% of water at initial mixing • Using a drill paddle specially designed to entrap as little air as possible, mix until a homogenous mixture is achieved • Add the remaining 10% water balance and continue mixing until lump-free smooth consistency • Leave to stand for about 10 minutes and re-mix
<p>Application</p>	<ul style="list-style-type: none"> • Dampen surface immediately ahead of application • Do not apply Kemseal BR11 as a thin paint coat, lay it on the wall and level it out • If the wall becomes dry or Kemseal BR11 starts to pull during the application, dampen the wall again • Leave the first layer for 6 hours before applying the second layer • Leave it overnight in case of low temperature & high R.H. which will delay setting and curing • Do not thin out the material - In case of using Fibermesh for reinforcing and to enhance tensile properties & crack bridging ability • Fibermesh is embedded in a base layer 0.5 mm thick covered with the first coat Kemseal BR11 at 1.5 Kg/m² whilst still wet • Provide suitable protection against rain, sun & wind for 24 hours • Leave to full cure for 7 days at 21 °C and R.H. 80 % before contact with water
<p>Theoretical coverage</p>	<p>Approximately 0.75 - 1 Kg/m²/ layer depending upon the porosity of the surface For reinforced system use 1.25 - 1.5 Kg/m²/ layer 2 coats are required</p>
<p>Packaging</p>	<p>Kemseal BR11 powder 25 Kg sacks</p>
<p>Shelf life & Storage</p>	<p>Kemseal BR11 has a shelf life of 1 year if kept in original packs in a dry condition</p>
<p>Precautions</p>	<ul style="list-style-type: none"> • Care should be taken when curing in hot, sunny, or windy conditions • Do not apply when the temperature is 5 °C or due to fall below 5 °C within 24 hours
<p>Health and Safety</p>	<ul style="list-style-type: none"> • Use goggles, gloves, and a breathing mask when applying • Apply forced ventilation in confined spaces • Remove splashes from the skin with hand cleaner or soap and water • Eye splashes are to be washed with plenty of water • If ingested seek medical advice
<p>Additional Information</p>	<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</p> <p>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>