



TECHNICAL DATA SHEET

RAKAM

901 RAKAM BITCOAT

(Bitumen Emulsion Paint)

Emulsified thixotropic flexible protective barrier to vapor transmission. It contains a high proportion of stabilizer & thickeners to ensure prolonged shelf life and easy usage.

CHARACTERISTICS	SURFACE PREPARATION	COVERAGE																											
<ul style="list-style-type: none"> Resists the attack of salts like chlorides and sulphates that are present in the soil Easy to apply. Cold applied Adheres to concrete, metal, wood, cork, etc. Can be applied in closed or confined spaces Water-based Versatile Anti-fungal Economical 	<p>The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections and protrusions are to be removed and repaired. Structurally unsound and friable concrete must be removed and repaired with a suitable RAK CONCRM concrete repair mortar.</p>	<p>Average dry film thickness of 100microns achieved when applied @4m²/L/coats, at required number of coats</p> <p>Damp proofing of block work & Concrete Foundations 1m² /l per Coat D.F.T of 350 Mic</p>																											
	PRIMING	STORAGE & SHELF LIFE																											
	<p>Primer is always recommended prior to coating as it not only penetrates into the concrete pores and seals the substrate. It also acts as an adhesion promoter for further coatings. The primer coat can be made in the site by diluting the same bitumen emulsion with 20% water. The primer may be applied by a brush, roller or airless spray. Allow the primer to dry before any further coats are applied. However, if the primer after application is left open for more than 24 hours after it becomes dry, clean the surface of any settled dust and apply a fresh coat of the primer.</p>	<p>The drums and pails must be stored in a covered area, away from direct sunlight, UV and other sources of heat. The shelf life is up to 12 months when stored as per recommendations. Excessive exposure to sunlight, UV and other sources of heat will result in considerable deterioration of the product and reduce its shelf life.</p>																											
DESCRIPTION	APPLICATION	HEALTH & SAFETY																											
<p>Rak Bitcoat is an emulsified thixotropic bitumen protective coating. The coating dries to form a black flexible protective film. The finished film forms a tough barrier to vapor transmission.</p>	<p>Stir the contents of the drum thoroughly prior to application to remove any sediment. The application can be done with a roller, brush or airless spray. Apply the coating at a coverage rate of 1-4 m²/L/coat, depending on the dry film thickness required. For highly demanding situations, it is recommended to apply in multiple coats. Further coats shall be applied only after the previous coat dries off completely. However, the coverage depends on the smoothness and porosity of the substrate and the required thickness of the coating.</p>	<p>Protective clothing such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidental swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.</p>																											
FIELDS OF APPLICATION	SUPPLY	TECHNICAL SPECIFICATION																											
<p>Rakam bitcoat is used for providing damproofing for below ground concrete structures which are above the water table. This can also be used as the protective coating for built-up roofing systems and other exposed surfaces. The coating is also used as a moisture vapor barrier on block works and concrete surfaces prior to cladding.</p> <p>Application instructions The application temperature should be between 5°C to 55°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the bitumen coating are as follows.</p>	<p>Rakam Bitcoat is Available in 15L pail & 200L drum.</p>	<table border="1"> <thead> <tr> <th>PROPERTIES METHOD</th> <th>VALUES</th> <th>TEST</th> </tr> </thead> <tbody> <tr> <td>FORM</td> <td>Thick Viscous liq</td> <td>-</td> </tr> <tr> <td>Color</td> <td>Dark Brown</td> <td>-</td> </tr> <tr> <td>Density (g/cc)</td> <td>1.02 + 0.02</td> <td>ASTM D 2939</td> </tr> <tr> <td>Solid Content (%)</td> <td>40 + 5</td> <td>ASTM D 2939</td> </tr> <tr> <td>Firm set, (hrs)</td> <td>24</td> <td>ASTM D 2939</td> </tr> <tr> <td>Application Temp(C)</td> <td>5 – 55</td> <td>-</td> </tr> <tr> <td>Service Temp (C)</td> <td>-5 to 75</td> <td>-</td> </tr> <tr> <td>VOC (g/l)</td> <td>< 50</td> <td>ASTM D 2939</td> </tr> </tbody> </table>	PROPERTIES METHOD	VALUES	TEST	FORM	Thick Viscous liq	-	Color	Dark Brown	-	Density (g/cc)	1.02 + 0.02	ASTM D 2939	Solid Content (%)	40 + 5	ASTM D 2939	Firm set, (hrs)	24	ASTM D 2939	Application Temp(C)	5 – 55	-	Service Temp (C)	-5 to 75	-	VOC (g/l)	< 50	ASTM D 2939
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PROTECTION																													
<p>The coating shall be protected from ongoing site activities and during backfilling from getting damaged by a 150 micron polyethylene sheet.</p>																													