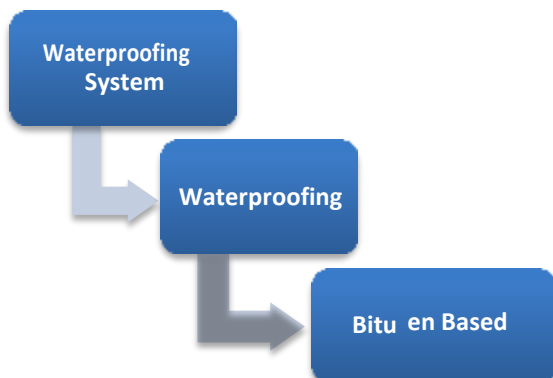


FAMILY TREE



PRODUCT DESCRIPTION

Bitumen based liquid waterproof coating formulated with rubber and carefully selected materials resulted in flexible Solvent based coating solution.

It is specially designed to be used on many common concrete construction substrates.

It is specially designed to suit underground applications.

Its form as a single component product that needs no additions makes it easy and quick to apply.

It can be used as protective coating or waterproofing coating.

It can be used as damp proof membrane and vapour barrier.

It can be used as curing compound.

FIELD OF APPLICATION

Area Type	: <input checked="" type="checkbox"/> Dry	<input checked="" type="checkbox"/> Semi-wet	<input checked="" type="checkbox"/> Submerged
Area Location	: <input checked="" type="checkbox"/> UV Resistant	<input checked="" type="checkbox"/> Below grade	<input checked="" type="checkbox"/> Roof Decks
	<input checked="" type="checkbox"/> Swimming Pool	<input checked="" type="checkbox"/> Fountains	<input type="checkbox"/> Potable Water Tanks
	<input checked="" type="checkbox"/> Planter Boxes	<input checked="" type="checkbox"/> Kitchen	<input checked="" type="checkbox"/> Bathrooms
Type of Application	: <input checked="" type="checkbox"/> Horizontal	<input checked="" type="checkbox"/> Vertical	
Substrates	: <input checked="" type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Cement Mortar	<input checked="" type="checkbox"/> Screed
	<input checked="" type="checkbox"/> Plaster	<input type="checkbox"/> Gypsum Board	<input type="checkbox"/> Cement Board
	<input type="checkbox"/> Plaster Board	<input checked="" type="checkbox"/> Wood	
Limitation	: Not suitable for application in contact with potable water. It is not resistant to oil, fuel, grease, strong chemicals, etc..		

PROPERTIES

- | | |
|--|--|
| <ul style="list-style-type: none"> Resistant to underground with chloride contents. Ready to use single component. Economical. Asbestos free. Flexible. Effective as an adhesive/bonding agent for cork panels, insulation boards, expanded polystyrene etc. | <ul style="list-style-type: none"> Resistant to underground with sulphate contents. Easy to use by brush or broom or squeegee. Solvent free. Rotting free. Damp proof membrane in 'sandwich construction'. Can be used in confined spaces. |
|--|--|

PREPARATION

Working Conditions	: 5° to 45°C.
Tools / Equipment	: Mechanically powered mixer, brush or broom or squeegee.
Substrate	: Clean thoroughly and ensure that it is dry and free from dust, oil, grease, paints or any other loose material that might cause de-bonding with the surface. Special considerations to all newly poured cement based substrates. Ensure that substrates are sufficiently cured, dimensionally stable, shrinkage and structural strain movements free and stable. All major cracks to be opened in "V" shape and repair with NASA RMC range of repair mortars. Honey combed or spalled concrete to be repaired with a suitable repair mortar. Nail heads and other protrusions that are likely to damage the coating must be removed
Priming	: Highly absorbent cement based substrates require priming prior to the application with NASA Bond 200. Example of such substrates: gypsum boards, plaster boards, anhydrite screeds, hollow blocks and foam concrete.
Joints	: In general, the product shall not be placed above expansion or construction joints. NASA Flexseal shall be used to manipulate the joints

This Technical Data Sheet is prepared based on extensive research and practical experience. With the varieties of the materials and conditions of application is out of our control, Apollo assumes no responsibility for the obtained results and / or damages caused by the usage of this product. Apollo Technical Service family is always available at your disposal for any advice and directions that might be required.



Apollo Bituproof RBE 520

Apollo Bituproof RBE 520 – 18/200 Ltrs – BS / ASTM

Single Component, Rubberized bitumen emulsion waterproof coating for concrete

MIXING

Ratio : No materials / liquids shall be added of any type. The product is pre-mixed and ready for usage.

APPLICATION

Application Method : By roller or brush

Coating Thickness : 200 - 500 microns / coat

Coverage : 2 m²/ltr/coat at 500 micron wft (300 micron dft)

Position : The described process is suitable for vertical and horizontal applications.

Priming : Highly absorbent cement based substrates require priming prior to the application with NASA Bond 200. Also dilute Apollo Bituproof RBE 520 with cold, fresh & clean water at dilution ratio of 15 – 20% of fresh and clean water.

Process : If priming is carried out, wait until the primed surface is completely dried. Stir the product well. Apply the first coat at a thickness of 200 – 500 micron . Maintain the same direction of application horizontal or perpendicular. Do not apply random directions. Protect from dust, debris and traffic. Wait until completely dried. Approximate drying time is 4 hours. Apply the second coat in perpendicular direction to the first coat direct at thickness of 200 – 500 microns. As damp proof membrane and vapour barrier, Apollo Bitu Proof RBE 520 two coats of is recommended. Where the surface is to receive a plaster finish, render or screed, 'grit' the second coat with clean, dry sand to form a keyed surface. Allow a minimum of 7 days drying period before applying a plaster, render or floor screed. As a curing compound, one coat of Apollo Bituproof RBE 520 is sufficient. Apollo Bituproof RBE 520 can be applied on the "green" concrete. This would prevent rapid evaporation of water and formation of shrinkage cracks. If Apollo Bituproof RBE 520 is spray applied, consistency of the material should be adjusted by adding water.

Curing : Once the application is completed, it should be air cured for a minimum period of 7 days

Cleaning : All tools / equipment shall be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically with Solvetech.

PACKING

Standard Package : Apollo Bituproof RBE520 Available in 18 Litres & 200 Litres.

Custom Package : Special packages can be arranged for large requirements.

How to Order : Specify the Product Name followed with a hyphen and package size.

STORAGE CONDITION

Shelf Life : 12 months from the date of manufacturing.

Temperature : 2°C and 50°C.

Points of Attention : Store in shaded area and properly sealed in its original packing.

TECHNICAL PROPERTIES

PROPERTY	STANDARD	VALUE
Standard	BS 8102 ASTM C309	
Testing Conditions	Tests were carried out in Apollo R&D laboratory @ 25°C	
Component	Single component	
Form	Liquid	
Colour	Black	
Density	ASTM D1475	1.03 ± 0.02 g/cm ³
Drying time	ASTM D2939	120 – 180 mins
Recoat Time	ASTM D 2939	4 – 24 hrs
Solid Contents	ASTM D 244	60 ± 3%

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Apollo Bituproof RBE 520

Apollo Bituproof RBE 520 – 18/200 Ltrs – BS / ASTM

Single Component, Rubberized bitumen emulsion waterproof coating for concrete

Rubber Contents	10% in the dries film
Service Temperature	-20 to +100°C

ATTENTION

PPE : It is recommended to use full PPE while working with the product to avoid any possibility of irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

Hazardous Classification : Non-Hazardous.

Fire : Non-flammable.

APOLLO AT THE GLANCE

Apollo is confident with the technical solutions and high quality end products served to the customers.

Apollo invites you to explore other services and products:

- | | | |
|--|--------------------------------------|--------------------------------------|
| • R&D and manufacturing custom solutions | • Adhesives | • Bonding Agents Systems |
| • Building Finishing Systems | • Concrete Admixture | • Concrete Repair Systems |
| • Flooring Systems | • Grouts & Anchoring Systems | • Painting & Putty Systems |
| • Protective Coatings | • Sealant & Jointing Solutions | • Structural Strengthening Solutions |
| • Surface Treatment Solutions | • Tile Adhesive & Grouting Solutions | • Waterproofing Systems |

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