

BITUMEX Rumba

RG1,5SA Self Adhesive

Description of Product:

Self adhesive membrane with a thickness of 1.5mm, consisting of rubberized bitumen with adhesive additives, glassfiber carrier, removable PP film at bottom and high density polyethylene film at top.

Reinforcement: Glassfiber reinforcement gives Rumba excellent dimensional stability especially at hot weather conditions.

Surface Finish: Siliconize Removable PP film at bottom and high density polyethylene film at top.

Typical Application Areas:

Applied on surfaces which are to be protected against water penetration:

Roofs- protection of cement roofs, protection of wooden roofs, even with high sloping; protection of ventilated metal roofs.

Concrete- Ideal for waterproofing concrete, masonry and wood surfaces where in-service temperatures will not exceed 54° C. Use with Bitumex Primers.

Features and Benefits:

- Eliminated the need for torching or mopping
- Ensured quick, clean and easy lapping of rolls
- No open flame on your roof
- Clean and neat application
- Safe application
- 100% UV protected

Basic Application Instructions:

Applied Cold. Need primer application before membrane application.

Surface Preparation and Priming:

A fundamental requirement of any bituminous membrane system is that it must provide protection from all weather conditions likely to be experienced during its design life. All individual layers in a bituminous membrane system must be watertight, and together the whole system must be waterproof.

Application area should be removed from stains and be smooth.

For this purpose, Bitumen Primer needs to be applied on surface before application.

Cover primed surfaces with self-adhered roofing membranes the same day.

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Application of Membrane:

Fully Adhered

1- Starting at the roof drains and vertical to the roof slope, apply the self-adhesive membrane without adhering in parallel lines. Unroll onto the below surface for alignment. Do not immediately remove the release sheet.

2. Overlap the membrane next to another along the side lap and the ends.
Side overlap creates longitudinal overlap between two sheets. End overlap creates a joint between shorter sides of the sheets. To overlap at side laps, just remove the PP bant (7.5cm) and apply to the adjacent membrane practically. Ensure full adherence. Stagger the end joints by a minimum of 61cm.

3. Release the PP film and adhere this part of the self-adhesive membrane to the surface.
Release PP film on the remaining part at a 45° angle to avoid wrinkles in the self-adhesive membrane sheet.

4. Overlap adjacent self-adhesive membrane by 9cm. Overlap end laps by 15cm. Stagger end laps by a minimum of 61cm. Finish with weighted roller to ensure a continuous adherence to the surface.



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Safety Precaution:

Bitumex products must be applied by qualified applicators who have received an adequate training, for the prevention and the protection (in particular for the use of the extinguishers) against accidents caused by the combustible or flammable materials, of liquefied propane gas, open flame and their material of installation.

Check the construction and the composition of the systems of roof and the walls before applying. Ensure the cleanliness of the places.

Use only proper torching equipment in perfect working order certified by local standard organizations. Use only proper hoses suited for propane gas of less than 15m.

Verify and tighten all the connections before the use of the equipment. Do not light the torch if a propane odour is present. Never seek a leak with a flame. Use soapy water. Use a torch whose gas output is adjustable with a stopping device. Follow the specifications, notices and documentations of the manufacturer and site authorities.

The wearing of gloves, long sleeves, long trousers, safety boots, helmet and safety glasses is recommended. Do not wear synthetic fabrics. Remove clothing contaminated with solvents. Avoid skin contact. Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Whilst using, do not eat, drink or smoke. In the event of any localised changes in appearance or texture of the skin being noticed, medical advice should be sought without delay.

Contact with hot product will cause burns.

Ensure good ventilation and avoid, as far as reasonably practicable, the inhalation and contact with vapours, mists or fumes which may be generated during use.

If such vapour, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level.

Avoid contact with eyes.

Highly toxic hydrogen sulphide gas may be emitted from hot product and accumulate in enclosed spaces or tanks. Extreme care must therefore be taken during venting of closed spaces which have, at any time contained hot product. Under no circumstances should entry be made in to small enclosures without taking full precautions.



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Storage:

Flashings must be stored in such a way to prevent any creasing, twisting, scratches and other damages of the roof. The materials will be protected adequately and stored permanently away from flames or welding sparks, protected from bad weather and any harmful substances. Keep all membranes upright.

1. Rolls should always be stored and transported at upright position.
2. Membrane pallets should not be stored on top of each other and similarly, heavy loads should never be placed on membrane pallets.
3. Bituminous membranes should be stored at closed areas where room temperature is above +5C.
They should never be stored outside as pallets are exposed to direct sun shine and should always be kept away from heat sources.
4. Membrane rolls should not be laid outside if there is no cover on them. High temperature may lead to longitudinal shrinkage and latitudinal expandage at membranes with polyester carrier.

For bituminous membranes, recommended shelf-life is 12 months.
Later than this date, membrane performance is diminishing.

Packaging:

Pallets are covered by UV Resistant White Shrinks

Roll Size : 1mtx20mt

1,5mm Rolls per pallet: 25Rolls (By Container) and 30Rolls(By Truck)

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Product Details		Unit	Tolerance	RG1,5SA
Modification of Bitumen				SBS
Reinforcement				Fibre Glass
Upper surface coating				HDPE
Lower surface coating				PP Removable Film
TS EN 13707				
Test	Method	Unit		
Visual defects	TS EN 1850-1			none
Thickness	TS EN 1849-1	mm	±0,2	1,5
Length	TS EN 1848-1	m	min(-0,03)	20
Width	TS EN 1848-1	cm	min(-2)	100
Straightness	TS EN 1848-1			pass
Watertightness (10kPa)	TS EN 1928	10kPa		pass
Reaction to Fire	TS EN 11925-2			E class
External Fire Performance	ENV 1187-2			NPD
Watertightness after stretching	TS EN 13897			NPD
Peel resistance of joints	TS EN 12316-1	N/50mm	±30%	38
Water vapour properties	TS EN 1931		min	20 000
Tensile strength (MD/CMD)	TS EN 12311-1	N/50mm		400/300
Elongation (MD/CD)	TS EN 12311-1	%		2/2
Impact resistance	TS EN 12691Mtd.A	mm	min	700
Tearing resistance (with nail)	TS EN 12310-1	N/50mm	±20%	150
Dimensional Stability	TS EN 1107-1	%	max	≤0,6
Cold Bending	TS EN 1109	°C	min	≤-10
Flow Resistance	TS EN 1110	°C	min	≥100
TS EN 13969				
Impact resistance	TS EN 12691Mtd.A		min	700
Resistance to Chemicals				NPD
Cold Bending	TS EN 1109	°C	min	≤-10
Tearing resistance (with nail)	TS EN 12310-1	N/50mm	±20%	150
Shear resistance of joints	TS EN 12317-1	N/50mm	±20%	250
Water vapour properties	TS EN 1931		min	20 000
Resistance to static loading	TS EN 12730 Mtd.B	Kg	min	5
Tensile strength (MD/CMD)	TS EN 12311-1	N/50mm		400/300
Elongation (MD/CD)	TS EN 12311-1	%		2/2
Reaction to Fire	EN 11925-2			NPD
Dangerous Substances	...	none		none

