



Bituflex 5R

Rubberized Bitumen Mastic

Description

Bituflex 5R is a water-based rubberized bitumen emulsion reinforced with mineral fiber. It dries up to form a black coating which is elastic, non-permeable to water and waterproofing. It is suitable used for basement tanking, floor, concrete roof, ground floor slabs and wall damp-proofing protection. It provides sound deadening of sheet metal body of coaches and corrugated roof sheet.

Bituflex 5R also can be used as primer on concrete and wooden surfaces when thinned with clean water. It can be worked as a binder together with sand or aggregate mixture to provide flexible protective mastic or pavement.

Uses

Bituflex 5R provides a continuous, water and vapour proof membrane for concrete. It is suitable and being used at:

- R.C. Flat Roofs
- Suspended floors
- Balconies / Patios / Tunnels
- Bathrooms
- Planter box
- Lift pits
- Retaining walls
- Basement wall

Advantages

- Ease of application directly from container
- Mild chemical resistance
- Excellent weathering resistance
- Flexible and durable
- Non-toxic
- High water resistant
- Good adhesion
- Odourless and taint free
- Non-drip under direct sunlight

Standard Compliance

- ASTM D412

Physical Properties

Appearance	Wet- Dark Brown Dry - Black
Elongation at break (ASTM D412)	800 – 1200%
Specific Gravity	1.00 g/mL
Solid Content	55 + 3.0%
Shrinkage factor	45%
Consistency	Non-drip paste

Application Instructions

Surface Preparation

Concrete to receive **Bituflex 5R** treatment must have a clean surface, free from dust and an open capillary system to ensure chemical penetration and maximum bonding. Surfaces to be waterproofed should be examined for structural defects, and unacceptable conditions reported and remedied. Remove all cement and laitance, shutter release agent, curing compound, loose particles, etc. by means of light, wet or dry sandblasting, high pressure water jetting or wire brushing. Remove all protrusions and cut back to sound concrete, chasing out and honeycombed or damaged areas.

Install all right angle bends with cement-sand fillet prior to the application of **Bituflex 5R**. Cure all pre-treated areas overnight before the general application of the membrane.

Priming

Prime concrete surfaces with mixture of 1 part **Bituflex 5R** with 1 parts of clean water by volume is used as primer before application of neat coat and allow the primer to cure.

Application Method

Bituflex 5R can be applied by squeegee, brush, roller, steel trowel, or spray directly from the container. Nominal thickness to achieve is approximately 0.6mm.

Allow it to air dry for about 4 hours depending on substrate porosity and weather condition. Second coat can be applied after 4 hours. 2 – 3 coats are recommended for better protection. 48 hours are required for fully dry for further cementitious application on the coating.



Protection/Curing

Under indoor condition at room temperature of 30°C, a thin wet coating layer should dry in about 4 hours.

Precaution should be taken during its drying time. It should protect from direct rain, dirt, oil grease or either loose material. The contractor should also take precautions to protect the **Bituflex 5R** membrane from any mechanical damage during the construction of other trade of works.

Cleaning of Tools

All tool and application equipment should be clean immediately with water after use and hardener and cured material need to force by mechanically to remove it and use kerosene or solvent when dry.

Packing & Size

Bituflex 5R	18L pail
	3.5L pail
	1L pail

Coverage

Bituflex 5R	0.6 L/m ² per neat coat and
	0.3L/m ² per priming coat

Technical Support

Easy-Fix Technical Service Department is available to assist you in the correct use of our products.

Storage

All products have a shelf life of 12 months if stored in original unopened packaging. Store in original unopened packaging, cool dry conditions and away from sources of heat & flames. This material is subjected to damage by frost and should be stored at temperature between 50°C to 40°C.

Precaution

Wear protective gear for hands and eyes. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water.

Important Notes:

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