

## Waterproofing Systems / Bitumen Based

# BITUMFIX® W

Bitumen Based Waterproofing Material - Waterborne

## DESCRIPTION

**Modified bitumen** and rubber based, single component, **waterborne** waterproofing material. It bonds on the surface strongly when it is cured and generates a layer resistant to water and moisture.

## APPLICATION AREAS

- Indoor and outdoor
- Horizontal and vertical surfaces
- Waterproofing the foundation and shear walls of reinforced concrete structures against ground moisture and seepage water.
- Bonding thermal insulation panels to bitumen based membranes
- Underneath the coatings in terrace insulation.

## TECHNICAL PROPERTIES

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Appearance              | Black colored emulsion enhanced with elastomeric polymer resin additive  |
| Liquid Density          | ~ 1.20 kg/L                                                              |
| Application Temperature | Between +5°C and +35°C                                                   |
| Solid Content           | 70 – 75 %                                                                |
| Softening Temperature   | +70°C                                                                    |
| Drying Time             | Dry to Touch: 60 minutes<br>Complete Drying: 5 – 6 hours<br>Test: 8 days |
| Service Temperature     | Between +10°C and +70°C                                                  |

## ADVANTAGES

- Can be used as a primer when thinned with water.
- Does not contain solvent, environmentally friendly.
- Safe to use indoor since it does not contain flammable and poisonous materials.
- Bonds on moist surfaces as well.
- Provides seamless and jointless waterproofing.
- Resistant to positive water pressure.
- Fills capillary cracks.
- Cold applied, dries quickly.
- Does not sag on vertical surfaces.

## CONSUMPTION

800 -1000 g/m<sup>2</sup> on each layer (It is recommended to apply minimum 2 layers)

## PACKAGING

16 kg plastic buckets

## APPLICATION

### PREPARATION OF THE SURFACE

- The surface must be cured.
- The surface must be clear of materials which prevent bonding, such as dust, oil, tar, bitumen, paint, silicone, curing agents, detergents and mold release oils.
- Repair the weak parts of the concrete, remove the plasters that are not adhered well, make the surface smooth and sound, repair the static cracks on the building with a plaster containing **AQUALATEX** or **REPAIRGROUT EXPAN High Strength Shrinkage Compensated Repair Mortar**. Repair the dynamic (moving) cracks with one of FIXA's appropriate MS, hybrid or polyurethane based sealants. Fill the holes with water outflow with **AQUASTOP**.
- Bevel the corners properly.
- Apply one layer of **BITUMFIX WP BASIC Bitumen Based Membrane Primer** to increase the adherence of BITUMFIX W to the surface. Wait for the primer to dry before the application.

### MIXTURE

It is ready-to-use, does not require thinning.

### APPLICATION

- Apply cold.
- Mix the material with a low speed mixer until it is homogenous, apply to the surface in two layers with a bitumen brush, roller, trowel or spraying machine.
- It dries in 5 – 6 hours depending on weather conditions. Do not apply the second layer before the first one is completely dry.
- Use **IMPERMO Waterproofing Mesh** between the layers to increase the load bearing capacity.
- Protect against impacts until it is covered.
- Do not apply in wet weather and in temperatures below +5°C.

### CAUTION

- Avoid application below +5°C and above +35°C.
- Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind.
- Do not add water.
- It is not suitable for waterproofing of potable water tanks and swimming pools.
- Do not use on metal surfaces without primer.

### SHELF LIFE

Expires in 12 months. Store unopened packages in a dry environment between +5°C and +25°C. Shake well before use. Protect against frost.



## Technical Data Sheet (TDS)

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### HEALTH AND SAFETY

As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storage. During the application, work wears, protective gloves, goggles and mask should be used according to the work place health regulations. If swallowed by accident, consult a doctor. In case of contact with skin, rinse with water. Keep out of reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at  $23\pm2^{\circ}\text{C}$  temperature and  $50\pm5\%$  relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Construction Chemicals Ltd. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.