

Waterproofing Systems / Bitumen Based**BITUMFIX[®] ELASTIK W**

Bitumen Based Elastic Waterproofing Material - Waterborne

DESCRIPTION

Modified bitumen based, single component, **waterborne**, elastic waterproofing material. Bonds strongly on the surface and forms a protective 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	~ 1.03 kg/L
Application Temperature	Between +5°C and +35°C
Solid Content	~ 55%
Softening Temperature	+70 °C
Drying Time	Dry to Touch: 60 minutes Final Drying: 5 - 6 hours Test: 8 days

ADVANTAGES

- Does not contain solvent, environment friendly.
- Economical, ready to use.
- 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.
- Permanently elastic, fills capillary cracks.
- Cold applied, dries quickly.
- Does not sag on vertical surfaces.

CONSUMPTION

800 - 1000 g/m² on each layer (It is recommended to apply minimum 2 layers)

PACKAGING

17 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 ELASTIK 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 isolation of potable water tanks and swimming pools.
- Do not use on metal surfaces without primer.

SHELF LIFE

Expires in 12 months. Store unopened packages. Shake the liquid component before use and protect it against frost.

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.



Technical Data Sheet (TDS)

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* The application instructions and technical values given for the products have been obtained in our tests in accordance with international standards and our experience, at $23 \pm 2^{\circ}\text{C}$ temperature and $50 \pm 5\%$ relative humidity. These values may vary depending on ambient conditions. High temperatures shorten the durations, low temperatures extend them. Before starting the application, whether the product is suitable for the application and purpose should be tested by the user. FIXA Construction Chemicals is not responsible for application errors that may occur if the product is used outside of its intended purpose or if the application conditions and recommendations mentioned above are not followed. This Technical Data Sheet is valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that a new version is published. It is the user's responsibility to check the currency of the document. For more information, please contact our sales department.