



# FIXPROOF PU BITUMEN (FIXPUR 2K B)

TWO COMPONENT, BITUMEN-REINFORCED AND POLYURETHANE BASED LIQUID WATERPROOFING COMPOUND

- Perfect waterproofing on areas where plant root resistance is required
- Fast setting
- Can be applied as a thick layer; bubble-free application

## DESCRIPTION

**FIXPROOF PU BITUMEN** is a two component, bitumen-reinforced, polyurethane based, fast setting liquid waterproofing compound.

## TYPICAL APPLICATIONS

- Internal and external applications,
- Waterproofing against moisture or pressurized or non-pressure water,
- Cement based screed, plaster and exposed concrete surfaced, corroded metal and galvanized steel surfaces, existing ceramic, mosaic, bitumen and acrylic coatings,
- Foundations and flood-bearing walls,
- Areas that require plant root resistance,
- Non-potable water tanks and ducts,
- Deck roofs (must be covered/tiled),
- Parking lot and garage top surfaces,
- Terraces and balconies,
- Bridges and tunnels,
- Light roofing made of metal and fibrous cement,
- Gypsum and cement boards,
- Asphalt and EPDM membranes,
- Polyurethane insulation foams.

## ADVANTAGES

- Can also be used as joint filler.
- Can be applied as a thick layer; bubble-free application.
- Effective water vapor barrier.
- Fast curing.
- Forms a very elastic film and firmly adheres to almost any surface with or without primers.
- High tensile and tear strength, excellent abrasion resistance.
- Perfect thermal strength.
- Will not soften under any circumstances.
- Resistant to cold, maintains elasticity even at -40 °C.
- High resistance to chemicals.

## TECHNICAL PROPERTIES

**Color:** Black

**Physical State:** Liquid

**Density:** 1.00 ± 0,05 g/cm<sup>3</sup>

**Application Temperature:** +10 °C to +35 °C

**Pot Life:** 30 min.

**Drying Time:** 1 to 2 hours at 25 °C and 55% relative humidity

**Service Temperature:** -40 °C to +80 °C

**Hardness (ASTM D2240 / DIN 53505 / ISO R868 70):** 35 shore A

**Elongation Percentage (23°C) (ASTM D412):** ≥ % 1700

**Tensile Force At Break (23°C) (ASTM D412):** ≥ 2 N/mm<sup>2</sup>

**Adherence On Concrete:** ≥ 2 N/mm<sup>2</sup>

**QUV (Accelerated Uv Strength Test Under Weather Conditions):**

1000 hours

**Thermal Resistance (200 Days At 80°C):** suitable

**Short-Term Max. Temp. (Shock):** 150 °C

The values above are valid for 23 °C and 50% relative humidity.

## DIRECTIONS FOR USE

### SURFACE PREPARATION

- Clean the surface with a high pressure washer; oil, grease, fuel, and paraffin residues should be removed, and surface should be totally free from cement laitance, form-work release agents, loose particles, and cured membranes.
- Surface irregularities and cracks should be repaired with **FIXGROUT EXPAN**.

### Concrete Substrate Standards:

**Hardness:** R28=15 Mpa

**Humidity:** W<10%

**Temperature:** 5 °C - 35 °C

**Relative Humidity:** <85%

### PRIMER APPLICATION

- Use **INTERPRIMER EPO WB** as a primer. Please consult our technical department for substrates with high porosity and asphalt coatings.

### APPLICATION

- Add 20 Lt Component A to 20 Lt Component B, and mix using a low speed mixer until a homogenous mixture is achieved.
- Apply the mixture with a brush or a roller in at least two layers. Do not wait for more than 48 hours between applications. Re-apply the primer if this time limit is exceeded (e.g. 4 days) or if you are not sure about bonding rates between layers. For airless spray applications, thin the mixture with a small quantity of solvent, especially for low-power machinery.

## WATCHPOINTS

- Remaining un-used materials may be stored for later use.
- Apply only onto sound substrates.
- Not suitable for use at swimming pools in contact with chemically processed water.

## CONSUMPTION

1.0 - 1.5 lt/m<sup>2</sup>

## PACKAGING

**Component A:** 20 Lt container

**Component B:** 20 Lt container

## STORAGE AND SHELF LIFE

Store in dry and cool locations (temperatures between 5 °C - 25 °C). Shelf life is 12 months under suitable storage conditions. Once the seal is broken use as soon as possible.

## HEALTH AND SAFETY

**FIXPROOF PU BITUMEN** contains small quantity of volatile flammable solvents. Do not smoke during application, and stay away from open flames and work at ventilated areas. In closed spaces, use ventilators and wear carbon active masks. Remember that solvents are heavier than air, and would thus creep on the floor.

**NOTE:** Information contained herein is based on our current scientific and application information. INTERFIKS Yapı Kimyasalları A.Ş. is liable only for the quality of product, and shall not be liable for consequences of any inappropriate uses of the product. This technical document shall remain in effect until a newer version is printed, and hereby substitutes all previous versions hereof. (01/2015)