



# FIXPROOF POLYUREA (FIXPUR EA 2K)

TWO COMPONENT, POLYUREA BASED WATERPROOFING COMPOUND

- Fast application and curing
- High abrasion and impact resistance
- Bubble and defect free

## DESCRIPTION

**FIXPROOF POLYUREA** is a two component, polyurea based, highly elastic waterproofing compound containing 100% solids.

## TYPICAL APPLICATIONS

- Internal and external applications,
- Floors,
- Pipes,
- Water tanks (excluding drinking water tanks) and ducts,
- Roofs,
- Parking lots, garages,
- Polyurethane and polystyrene insulation foams.

## ADVANTAGES

- Fast curing. Gel formation in 30 seconds; immune to humidity and weather conditions.
- Ideal for use in commercial and industrial applications which require abrasion and impact resistance.
- Does not contain toxic catalysts.
- Bubble and defect free.
- No plastic content.
- Effective water vapor transmission. The film breathes so there is no accumulation of humidity under the coating.
- 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:** Grey

**Physical State:** Liquid

**Density:** 1.10 ± 0,05 g/cm<sup>3</sup>

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

**Pot Life:** 30 min.

**Gel Time:** 20-30 sec.

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

**Hardness (ASTM D2240 / DIN 53505 / ISO R868 70):** 90 shore A

**Elongation Percentage (23°C) (ASTM D412):** ≥ % 400 - 500

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

**Water Vapor Permeability (ASTM E96):** 0,8 gr/m<sup>2</sup> per hour

**Short-Term Max. Temp. (Shock):** 350°C

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

## DIRECTIONS FOR USE

### SURFACE PREPARATION

- Surface should be cleaned with a high pressure washer. Oil, grease, fuel, and paraffin residues should be removed, and surface should be totally free from mould release agents, cement residues, sawdust, loose particles, and cured membranes.
- Surface irregularities and cracks should be repaired with **FIXGROUT EXPAN**.

### Concrete Substrate Standards:

**Hardness:** R28=15 □□□

**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

- Barrels containing the product components should be heated up to 25 °C before they are mixed or prepared according to tariff.
- Available for traffic only after 24 hours after application.
- Please consult our technical department for details of preparing multi-components and spraying equipments.

### WATCHPOINTS

- Apply only onto sound substrates.
- For dark coloured applications on surfaces exposed to UV, apply **FIXPROOF PU-T** as the final coating layer.

### CONSUMPTION

1.5 - 2.0 kg/m<sup>2</sup>

### PACKAGING

200 kg barrels

### 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.

**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)