



FIXPROOF PU-FR (FIXPUR FR)

TWO COMPONENT, FIRE RETARDANT LIQUID
WATERPROOFING COMPOUND

- Fire retardant
- Strong bonding to all kinds of surfaces
- Self-extinguishing

DESCRIPTION

FIXPROOF PU-FR is a two component, polyurethane based, fire retardant waterproofing compound.

TYPICAL APPLICATIONS

- Internal and external applications,
- Industrial plant roofs,
- Roofs,
- Parking lots, garages,
- Terraces and balconies,
- Bathrooms,
- Light roofing made of metal and fibrous cement,
- Gypsum and cement boards,
- Asphalt membranes,
- EPDM membranes,
- Polyurethane insulation foams.

ADVANTAGES

- UV and atmospheric resistance.
- Fire retardant.
- Prevents flame spread. (No constant flame spread) Class B2 according to DIN 4102-Part 1.
- Limited flaming droplets.
- Self-extinguishing.
- No acute poisoning toxic gas release.
- Limited heat and smoke release.
- No bubbles or deformation.
- Effective water vapor transmission. The film breathes so there is no accumulation of humidity under the coating.
- Fast curing.
- High bonding resistance.
- High tensile and tear strength, excellent abrasion resistance.
- Resistant to cold, maintains elasticity even at -40 °C.
- High resistance to chemicals.

TECHNICAL PROPERTIES

Color: Grey

Physical State: Liquid

Density: 1,35 ± 0,05 g/cm³

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

Pot Life: 30 min.

Drying Time: 3 to 5 hours at 25 °C and 55% relative humidity

Service Temperature: -40 °C to +80 °C

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

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

Tensile Force At Break (23 °C) (ASTM D412): ≥ 7,5 N/mm²

Adherence On Concrete: ≥ 2 N/mm²

Water Vapor Permeability (ASTM E96): 0,8 gr/m² per hour

QUV (Accelerated UV Strength Test Under Weather Conditions): 2000 hours

Short-Term Max. Temp. (Shock): 200 °C

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

DIRECTIONS FOR USE

SURFACE PREPARATION

- Surface should be firm, cleaned thoroughly by pressurized washer. Oil, grease, fuel, and paraffin residues should be removed, and

surface should be totally free from mold releasing 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 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 applications onto sub bases with high porosities or asphalt coatings.

APPLICATION

- Add 3 kg of the Component B to 25 kg of the Component A, mix using a low speed mixer until a homogenous mixture is achieved.
- Apply the resulting mixture in minimum two layers by a roller or brush.
- Do not wait for more than 48 hours between consecutive layer applications. In case this time limit is exceeded or if the bonding quality of the applications is not proper, re-apply primer.
- For air-free spray applications, use a thinner solvent especially if the power of the sprayer is low.

WATCH POINTS

- Apply only onto sound/firm substrate.
- A mild discoloration may be observed with exposure to UV radiation. This is only a cosmetic effect and will not impair water tightness or fire resistance.

PACKAGING

Component A: 25 kg container

Component B: 3 kg container

CONSUMPTION

1.2 - 1.5 kg/m²

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.

HEALTH AND SAFETY

FIXPROOF PU-FR contains volatile and flammable solvents. Do not smoke during application, and stay away from open flames and work at well ventilated areas. Ventilate indoor areas continuously, and wear active carbon masks. Remember that solvents are heavier than air, and would thus flow on 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)