



FIXPROOF PU-LV (FIXPUR LV)

SINGLE COMPONENT, POLYURETHANE BASED LIQUID WATERPROOFING COMPOUND

- Low viscosity, easy settling
- Resistant to cold, maintains elasticity
- Perfect bonding strength

DESCRIPTION

FIXPROOF PU-LV is a single component, polyurethane based, liquid waterproofing material that forms a durable, hard and yet highly elastic film on the application surface.

TYPICAL APPLICATIONS

- Internal and external applications,
- Stadiums and stands,
- Roofs,
- Parking lots, garages,
- Terraces and balconies,
- Bathrooms,
- Bridge platforms,
- Irrigation channels,
- Light roofing made of metal and fibrous cement,
- Gypsum and cement boards,
- Asphalt and EPDM membranes.

ADVANTAGES

- Resistant against UV and other natural elements.
- White color reflects sunlight reducing the interior temperature build-up in structures considerably.
- Not toxic after full cure.
- Effective water vapor transmission. The film breathes so there is no accumulation of humidity under the coating.
- High bonding resistance.
- 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: White, Grey

Physical State: Liquid

Density: 1,35 ± 0,05 g/cm³

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

Pot Life: 30 min.

Drying Time: 6 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

Elongation At Break (-25 °C) (ASTM D412): ≥ % 450

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

Thermal Resistance (100 Days At 80 °C): Suitable

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 cleaned by using pressurized washer. Oil, grease, fuel, and paraffin residues should be removed and surface should be totally free from mold 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 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 sub-bases with high porosities and asphalt coatings.

APPLICATION

- Mix by a low speed mixer.
- Apply in at least two layers by 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.

WATCH POINTS

- Apply only onto sound/firm substrate.
- Not recommended for use in chemically treated swimming pools.

CONSUMPTION

1.5 - 1.8 kg/m²

PACKAGING

25 kg 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-LV 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)