



JAZEPROOF – PU B

Liquid applied, 2- Component polyurethane, extended bitumen elastomeric waterproofing membrane

Product Description

JAZEPROOF- PUB is a liquid applied, 2-component polyurethane, extended with bitumen which cures by reaction. After curing it gives a tough elastomeric waterproofing membrane with excellent chemical resistance and low water permeability. It produces a hydrophobic elastic membrane with very strong adhesion to most of the substrates.

Uses

The low water permeability and excellent chemical properties of JAZEPROOF- PUB make it suitable for entire range of waterproofing applications such as:

- Basements, foundations and tunnels and concrete pipes underground.
- Roofing, bathrooms, kitchens, pools, refrigeration storage.
- Sewage works and water retaining structures of non-potable water.
- Underground piping protective coatings where mineral oil and petroleum oil resistance is required.
- Tanking applications areas at aggressive chemical resistance is needed and other wet areas.

Advantages

- Chemical cure, does not need the presence of moisture.
- Excellent resistance to mineral oils and petroleum oils.
- Elastomeric accommodates expansion and contraction.
- High bond strength to most of the substrates.
- Excellent chemical resistance and low water permeability in salt containing soils.
- Excellent weather and water resistant, corrosion resistant, mildew proof and frost resistant.
- Highly tensile strength and elongation.
- Tough and elastomeric.
- Withstands temperature from -20 °C to 75 °C
- Non-toxic and Non-hazardous
- Non-flammable as liquid compound.
- Excellent barrier to carbon dioxide, chloride ions, sulphate ions, oxygen and water salts.
- Dirt pick-up resistance.
- UV resistance up to 5000 hours.

Standards

JAZEPROOF- PUB meets the requirements of **ASTM C 836**.

Technical Properties

Appearance		Black liquid
Tackfree time @25 °C		3 hours
Pot-life @25 °C		70 minutes
Full-cure @ 25°C		3 days
Application temperature		5 – 70 °C.
Service temperature		- 20 °C to 75 °C
Recovery @ 200% elongation		99%
Tensile Strength (ASTM D-412)		5 N/ mm ²



Water Vapour Transmission	9.5 g/m ² /24 hrs at 1.5 mm film
Elongation (ASTM D-412)	350-400 %
Shore A hardness (ASTM D2240)	40
Artificial weathering	No loss of flexibility after 5000 hours exposure
Tear Resistance (ASTM D624)	17 N
Water Permeability (ASTM E96)	0.052 ng/m/sec/Pa
Solid Content	97%
Adhesion to the concrete	1.2 N/mm ²

Guidelines for Application

Surface Preparation

All the substrates to be coated must be fully clean, dry and free from dust, dirt, oil, grease and other contaminants.

Priming

Priming is not required on good quality concrete substrates.

Mixing

Stir each component of JAZEPROOF-PUB well before mixing. Pour Component B into the Component A and mix well for 2 -5minutes until uniform consistency & colour is achieved.

Application

JAZEPROOF-PUB should be applied by brush, roller or airless spray (three coat application for standard grade on vertical surfaces) at a minimum wet film thickness 0.5 mm minimum. On the vertical surface a film build of 1.5 mm is achievable in three coats.

Curing and protection

JAZEPROOF-PUB membrane must be cured for a minimum of 24 hours @ 25 °C before placing protection. Protection boards should be used to protect the membrane by traffic and backfilling.

Cleaning

All equipments and tools can be cleaned with solvent when in wet condition. The dried coating can be cleaned with aromatic cleaning agents.

Packaging

JAZEPROOF-PUB is supplied in 25 kg kits.

Storage

Store under cover preferably above + 5 °C and below + 35 °C. Keep away from direct sunlight and frost.

Shelf Life

When stored in original unopened containers, expected shelf life is 2 years.

Health & Safety

- JAZEPROOF-PUB non-toxic, non-corrosive, and non-dangerous.
- For Ecology: Do not dispose directly to water or soil. Mix Component A with Component B and wait till hardening, then bury in landfill in accordance with the local regulations.
- Splashes on skin will be washed with water and soap.