

## JAZEPROOF - 600

### Liquid applied, Single Component pitch polyurethane elastomeric waterproofing membrane

#### Product Description

JAZEPROOF- 600 is a liquid applied, single component pitch modified with polyurethane which cures by reaction with atmospheric moisture. After curing it gives a tough elastomeric waterproofing membrane with excellent chemical resistance and low water permeability.

#### Uses

The low water permeability and excellent chemical properties of JAZEPROOF- 600 make it suitable for entire range of waterproofing applications such as:

- Basements, foundations and tunnels
- Roofing , ground floors, parking decks, balconies, bridges
- Sewage works and water retaining structures of non potable water.
- Tanking applications areas at aggressive chemical resistance is needed.

#### Advantages

- Single component: ready to apply, does not require hot melting equipment.
- Elastomeric accommodates expansion and contraction.
- Excellent adhesion to most of the substrates.
- Excellent chemical resistance.
- Excellent weather and water resistant
- Highly tensile strength and elongation
- Tough and elastomeric.
- Withstands temperature from -35 °C to 75 °C
- Environmentally friendly
- Non-toxic and Non-hazardous
- Non-flammable as liquid compound.
- Excellent barrier to carbon dioxide, chloride ions, oxygen and water.
- Dirt pick-up resistance.

#### Standards

JAZEPROOF- 600 meets the requirements of **ASTM C 836-84**

#### Technical Properties

<b>Appearance</b>	Black liquid
<b>Tackfree time @25 °C</b>	14 hours
<b>Full-cure @ 25°C</b>	48 hours @ 1.3 mm thickness
<b>Application temperature</b>	5 – 50 °C.
<b>Service temperature</b>	- 35 °C to 75 °C
<b>Recovery @ 200% elongation</b>	95%
<b>Tensile Strength (ASTM D-412)</b>	2 N/ mm <sup>2</sup>
<b>Water Vapour Transmission</b>	9.5 g/m <sup>2</sup> /24 hrs at 1.3 mm film
<b>Elongation (ASTM D-412)</b>	600- 650 %
<b>Shore A hardness (ASTM D2240)</b>	50
<b>Artificial weathering</b>	No loss of flexibility after 4000 hours exposure
<b>Tear Resistance (ASTM D624)</b>	17 N
<b>Permeability (ASTM E96)</b>	0.062 ng/m/sec/Pa



## 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.

### Static Joints and Cracks

Joints and cracks less than 1/16"(1.6 mm) should be filled by pre striping. Apply material so it both fills and overlaps the joint or crack to a width of 4" (102 mm) on each side.

### Working or Expansion joints

All joints over 1/8" (3 mm) must be sealed with a JCC PU 400 polyurethane sealant. Any working joint less than 1/8" (3 mm) should be routed to a minimum of 1/4" (6 mm) and filled with a sealant. Prevent the waterproofing membrane from adhering to the joint sealant, which could cause sealant or membrane failure, by applying a coat of wax or bond breaker tape over the cured sealant and then pre striping.

### Application

JAZEPROOF-600 should be applied by brush, trowel or airless spray (two coat application for standard grade on vertical surfaces) at a minimum wet film thickness 1.3 mm. On the vertical surface a film build of 1.3 mm is achievable in two coats.

A short haired synthetic pile roller should be used if applying by roller.

### Curing and protection

JAZEPROOF-600 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.

To prevent the damage to the membrane it is recommended that JAZEPROOF-600 is laid in strips of 1 meter width to permit the application of a protection board from uncoated area.

### 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-600 is supplied in 20 liter Nett pails. Other packing's are available to special order.

### Storage

Store under cover preferably above + 5 °C and below + 30 °C. Keep away from direct sunlight and frost.

### Shelf Life

When stored in original unopened containers, expected shelf life is one year.

### Health & Safety

- JAZEPROOF-600 is safe, non-toxic and non-flammable in wet condition. However, avoid prolonged skin contact.
- Use of gloves is advisable.
- If eyes are affected with JAZEPROOF-600, rinse with excess amount of clean fresh water. If ingested, seek medical attention immediately.

## JCC CONSTRUCTION CHEMICALS

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the application they intend to use our products for.

JCC endeavors to ensure that any advice, recommendation, specification of information in accurate and correct manner.

For Further Information Contact: [www.jcc-sa.com](http://www.jcc-sa.com)