

# **JCX 100**

## Single Component Polyurethane Resin

## Description

JCX 100 is a single component moisture cured liquid polyurethane membrane.

### **Key Benefits**

- Easy to apply by means of brush, roller, or airless spray.
- High abrasive resistance & tensile strength
- Crack-bridging ability
- Excellent adhesion on most surface
- Resistant to immersion into water
- Ideal for outdoor application
- Application temperature range: from + 5°C to +35°C (R.H.< 4%).</li>

## Typical Applications

- Roofs, terraces and balconies
- Renewing old membranes,
- Tanks, channels & pipelines

## Application Guidelines

JCX 100 can be applied by brush, squeegee, roller or airless spray.

#### Note:

**Non reinforced system:** apply two coats of product, with a consumption of 0.5-0.7 Kg/m2 for the first layer and 0.3-0.5 Kg/m2 for the second. (over-application time from 6 to 48 hours maximum.)

**Reinforced system**: use JCX Fabric together with the first coat of JCX Mono UV.

After minimum 24 hours and not later than 48 hours, a second coating can be applied on the layer:

Total consumption should be about 1.3 – 1.5 kg/m2

The product is moisture curing. The rapidity of hardening is strongly influenced by relative environmental humidity.

#### Technical Data

JCX 100	
Appearance	Black
Adhesion to Concrete	>4.0 MPa
Elongation (ASTM D412:2016)	>500%
Tensile	>4 MPa
Crack bridging	A5(23°C)
Bond strength by pull-off	>2.0 N/mm <sup>2</sup>
Shore A Hardness	65-70
VOC (KS M ISO 11890-1:2017) Volatile Organic Compound	138 g/L

### Packaging

JCX 100 is supplied in 25 kg pail

### Health & Safety

JCX 100 should only be used as directed. We always recommend that the Health & Safety Data Sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection.

#### Storage

JCX 100 should be stored at room temperature (max 38°C), kept dry and out of direct sunlight. Shelf life is 1 year in tightly sealed original pail from date of manufacturing.

Our technical advice for use, whether verbal, written or in tests, is given in good faith and reflect the current level of knowledge and experience with our products. When using our products, a detailed object -related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We are liable only for our products being free from faults; correct application of our products therefore falls entirely within your scope of liability and responsibility. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery. Users are responsible f or complying with local legislation and for obtaining any required approvals or authorizations. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our R+D department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practice. \* All values represent typical values and are not part of the product specifications.