

# BC MC URETHANE

## Description:-

**BC MC URETHANE** is a single component moisture curing for extended polyurethane liquid applied elastomeric membrane used over BCI Polyurea systems

## Recommended Uses:-

- Also Used for bonding **BCI HMP** on BCI Polyurea bridge deck waterproofing system.

## Advantages:-

- Easy to apply.
- One component.
- Can be apply using brush, roller or airless spray.
- Can accommodate the heat of asphalt during application.

## Technical Information:-

Properties	Result
Composition	Polyurethane
Appearance	Black
Specific Gravity	1.29 ± 0.06
Solid Content (By Weight)	83% ASTM D 2939
Elongation	>800 ASTM D 412
Layer Thickness	~500 up to 1000 microns
Shelf Life	6 Months from date of production

## Direction for Use

### Surface Preparation:-

Apply **BC MC URETHANE** within the indicated over coating time of the applied Polyurea Bridge Deck waterproofing membrane. No further substrate preparation is necessary. If the over coating time of the applied waterproofing membrane is exceeded, the surface must be prepared mechanically by a light grinding prior applying **BC MC URETHANE**.



## Catalyst:-

Although **BCI MC Urethane** attains a relatively fast cure, a special catalyst, urethane accelerator, may be added to reduce the curing time if humidity is low or if early rainfall is anticipated. In the uncured state, light rainfall will not cause physical or chemical damage to **BC MC URETHANE**, however, heavy rainfall may cause such physical damage that the material will have to be reapplied. **BC MC URETHANE** may develop blisters or bubbles when applied to concrete having a relatively rough finish or sand pits. This can be minimized by applying a prime coat of **BC MC URETHANE** that has been diluted with Toluene or Xylene in equal parts. Allow the primer coat to cure before applying the finish coat.

## Storage:-

BC MC URETHANE is stable for a period of 6 months after manufacture, when stored in the original unopened containers under a protective roof or cover at temperatures not exceeding 80°F.

## Cleaning:-

Tools and equipment may be cleaned using MEK, Toluene or Xylene.

## Coverage:-

Approx. 1KG/m<sup>2</sup> @ 0.8mm thickness depending upon surface conditions.

<b>Packaging</b>	Available In Packaged As 20 Kg Pail.
<b>Storage</b>	Store under dry shaded area in the original closed container
<b>Shelf Life</b>	12 months from date of production if stored as recommended.

## Precautions:-

BC MC URETHANE should not come in contact with skin or eyes. Goggles and gloves should be used. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

The Technical specification information and recommendation given one based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product Building chemistry industry reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of Building chemistry industry no guarantee and or responsibility is assumed on the performance of work completion executed with use of our products.

### **Building Chemistry Industry**

2<sup>nd</sup> Industrial Area Dammam .Kingdom of Saudi Arabia.

Email: [info@bcisaudi.com](mailto:info@bcisaudi.com) Website: [www.bcisaudi.com](http://www.bcisaudi.com)

