

## PRODUCT DATA SHEET

# XYLASTIC®-100 AC

### DESCRIPTION

**XYLASTIC®-100 AC** is a single component liquid applied based on newly developed Acrylic Polymers resin. Specially formulated as protective coating and waterproofing for exposed concrete roof.

**XYLASTIC®-100 AC** is based on elastomeric Acrylic polymer resin which can bridge cracks up to 1mm wide and dramatically reduce solar heat absorption with Aesthetic finishes.

### RECOMMENDED FOR:

- Exposed Roof Slabs,
- Terraces, Plaza Decks etc.

### ADVANTAGES

- ✓ Resist high hydrostatic pressure
- ✓ Solar and U.V protection
- ✓ Chemical resistant
- ✓ Water based, environment friendly
- ✓ Good adhesion property to concrete and cement based materials
- ✓ Non-toxic
- ✓ Crack-Bridging up to 1mm wide
- ✓ Reflex up to 85% of solar heat energy
- ✓ Aesthetic finishing

### PACKAGING

**XYLASTIC®-100 AC** is available in 20kg, 10kg & 5kg container.

### STORAGE

**XYLASTIC®-100 AC** must be stored in cool, dry place. The shelf life is 9 months from date of production in an unopened original packaging.

### COVERAGE

Under normal conditions, the coverage rate for **XYLASTIC®-100 AC** is 0.50 to 0.70kg/m<sup>2</sup> per coat.

### TECHNICAL DATA

- Tensile strength (Reinforced) :56.5 kgf/cm<sup>2</sup>
- Elongation at Break (DIN 53504):> 148%
- Solid Content :>60% by weight
- Reflectivity :85%
- Crack Bridging Test Pass (No loss of bond cracking exhibited) ASTM MC 836: PASS
- Curing Time :12 hours

### APPLICATION PROCEDURES

#### 1. SURFACE PREPARATION

Concrete surface to be treated shall have light steel-trowel finish which is free of dust, oil and other contaminants.

The substrate must be fully cured and sound.

Repair crack line, honeycomb with suitable repair method.

#### 2. MIXING

Stir **XYLASTIC®-100 AC** thoroughly by electric stirrer (approximately 350 - 400 RPM) for 1 - 2 minutes and let the entrapped air to escape.

#### 3. APPLICATION

**XYLASTIC®-100 AC** to be applied in 2 coats by trowel, squeegee, roller or by airless spray equipment. Damp the surface of substrate with water but free from standing water.

##### Primer Coat

Mix one part **XYLASTIC®-100 AC** with 3 parts water and apply at 0.3 kg/m<sup>2</sup>

##### Top Coat

Apply 1st coat **XYLASTIC®-100 AC** @ 0.5 to 0.7 kg/m<sup>2</sup> and allow to cure for approximately 6 to 8 hours.

Apply 2nd coat **XYLASTIC®-100 AC** @ 0.5 to 0.7 kg/m<sup>2</sup> and allow to cure for 12 hours

##### Optional

*Heavy duty fiber mesh reinforcement may be laid between 1st and 2nd coat **XYLASTIC®-100 AC** to increase the tensile strength and toughness.*

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## 4. CURING

Working time between coat	20°C	6 - 8 hours
	30°C	2 - 4 hours
Rain resistant		After 2 hours

## LIMITATION

- Do not over coat with high consumption than recommended.

## TECHNICAL SERVICES

For more information, alternative application methods or information concerning the compatibility with other products or technology, contact the Technical Department of the Distributor.

## REPAIRS

If damaged, **XYLASTIC®-100 AC** can be repaired with applying additional coating with the same product. Clean the damaged area prior to recoating.

## PRECAUTIONS

Wear protective gloves during application. If in contact with skin, wash thoroughly with water and soap. Flush immediately with plenty of water if in contact with eyes and seek medical attention without delay. Harmful if swallowed. Keep away from heat and open flame.



**Note:** The information and application advice in this data sheet is given to the best of our knowledge and no assumption can be made as to product suitability for a particular use and application.

## Distributor:



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