

**PRODUCT DATA**  
**FLOORING COATING**  
**BINA EPOXY EM 6304**  
**3K Epoxy Mortar**

## **BINA EPOXY EM 6304**

### **A THREE COMPONENT EPOXY MORTAR SCREED**

#### **DESCRIPTION:**

BINA EPOXY EM 6304 is a solvent-free, three-component epoxy resin-based underlayment designed as an osmosis moisture barrier. It is formulated with a silica sand filler mixture and is applied at a thickness ranging from 3mm to 10mm. However, epoxy mortar screeds are not color-stable when exposed to UV light or subjected to weathering. Therefore, it is recommended to apply a color-stable topcoat for enhanced durability and appearance

#### **PRODUCT FEATURE:**

Suitable for use in industrial flooring, warehouses, chemical plants, manufacturing facilities, and car parks. Designed to provide a heavy-duty flooring solution in areas subjected to heavy traffic, impact, and chemical exposure

#### **BENEFITS:**

- Solvent free, low odor
- Seamless & hygienic finish when sealed
- Low maintenance
- High impact resistance
- Heavy duty for traffic
- Excellent chemical resistance

#### **COLOR:**

- Natural

#### **SURFACE/ SUBSTRATE PREPARATION**

The concrete or screed substrate must have a minimum compressive strength of 25 N/mm<sup>2</sup> and an adhesive pull-off strength of at least 1.5 N/mm<sup>2</sup> (concrete failure). Surface preparation should be carried out using mechanical methods such as abrasive blast cleaning or scarifying to remove cement laitance and create an open-textured surface. Any cracks or voids must be properly repaired. Rough contaminants and high spots should be removed by grinding. The substrate must be clean, free from laitance, oil, dust, paint residues, algae, and any loose or friable materials, ensuring all surfaces are thoroughly prepared before product application

#### **MIXING:**

Pour the entire contents of Part B into the Part A container and mix both liquid components thoroughly for one minute using a suitable electrical stirrer (minimum 750-watt high-power mixer) until a homogeneous mixture is achieved. Then, transfer the mixed Part A and Part B into a forced-action mixer, and blend with the aggregate until a uniform consistency is obtained.

#### **APPLICATION:**

- Apply BINA PRIME SF6303 using suitable roller as a primer for sealing well the substate porosity.
- Apply the mixed BINA EPOXY EM 6304 within 1 hour of priming BINA PRIME SF6303 (while priming coat is still tacky) and spread the screed onto the primer, compact and finish using a steel blade trowel or power float.
- Apply scratch coat epoxy then PU or epoxy system

#### **TECHNICAL DATA**

|                          |                                                                      |             |              |
|--------------------------|----------------------------------------------------------------------|-------------|--------------|
| Mixing ratio by weight   | Part A<br>4                                                          | Part B<br>1 | Part C<br>50 |
| Pot Life (28° C)         | 45 mins                                                              |             |              |
| Packaging Size           | 55Kg/set                                                             |             |              |
| Material consumption     | 2.0kg/m <sup>2</sup>                                                 |             |              |
| Thickness recommendation | 3mm - 10mm                                                           |             |              |
| Curing Time (30° C)      | Light traffic = 16 hrs<br>Full traffic =48 hrs<br>Fully cured=7 days |             |              |
|                          |                                                                      |             |              |

#### **PRECAUTION**

Do not reuse the product after its working life expires. Always use the entire hardener, as it is pre-measured for the correct mixing ratio. Mix thoroughly, avoiding air entrapment. Remove any splashes on the skin using thinner. Keep containers tightly sealed and out of reach of children. Ensure proper ventilation during application and drying.