

## EPOX LM 225

Epoxy Based, Solvent-Free, Lamination Resin

### Description

**EPOX LM 225** is epoxy based, two component, solvent-free, lamination resin. It can be used to filling capillary gap of concrete floors and increases strength.

### Fields of Application

- In marine industry, wooden vessels
- In construction, factory, depot, heavy lifting floor areas.

### Features and Benefits

- Has high chemical resistance.
- Highly penetrate.
- Excellent mechanical strength.

### Technical Data

Content	Epoxy Resin
Density	0,90-1,10 g/cm <sup>3</sup>
Viscosity	600-1000 mPas
Tensile Strength	20 ~ 24 N/mm <sup>2</sup>
Tensile Elongation	1,8 – 2,0 %
Elastic Modulus	20-24 N/mm <sup>2</sup>
Bending Strength	0,5 N/mm <sup>2</sup>
Pot Life	60-80 minutes
Curing Time	
<i>Touch dry</i>	<i>6-8 hours</i>
<i>Full Curing</i>	<i>7 days</i>
HS Code	3214.10.90.00.00

### Application Procedure

#### **Preparation of Substrate**

Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and loose pieces. Weak parts of the surfaces should be removed by milling, sandblasting or

# EPOX LM 225

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sanding. If application surface is too bright surface, it should be roughened with milling or sandblasting.

### ***Application Method***

Component A and B is stirred separately under low speed mixer, then Component B is slowly poured into Component A under the low speed mixer and continue mixing until obtaining a homogenous mixture without any agglomerate (approximately 3-4 minutes).

The mixture must be consumed within 60 minutes. Mixture is applied by trowel or roller depends on application area. After the fiberglass is laid on the wet resin, the lamination roll is moved over the glass fiber. If there are areas that are unsaturated with the resin, the resin is applied again. After drying, the other stages of the coating are started.

### **Consumption**

Depends on usage area.

### **Packaging**

A component: 17 kg + B component: 8 kg = 25 kg set

### **Shelf Life**

12 months in original, unopened package.

### **Storage**

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

### **Cleanup Information**

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

### **Cautions / Limitations**

- Do not mix the product with hand or trowel. Use a drill for mixing.
- It may be harmful with skin contact.

# EPOX LM 225

## Epoxy Based, Solvent-Free, Lamination Resin

- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +10°C and above +20°C.

### Health and Safety

**Warning!** Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

**Limited Warranty:** This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.