

## EPOX FL 700

Epoxy Based, Two Component, Solvent-Free, Orange Peel Textured Topcoat Material

### Description

**EPOX FL 700** is an epoxy resin based, two component, low-viscosity, solvent-free topcoat material that provides orange-peel textured surface.

### Fields of Application

- On concrete and cement based mineral surfaces,
- On medium and heavy wear industrial areas such as factories, storage halls, loading ramps etc.
- On wet volume areas such as hospitals, laboratories, food industries etc.
- On thermal and hydroelectric power plants.
- On convention centers, car parks, shopping mall floors as non-slip floor materials.

### Features and Benefits

- Excellent adhesion performance.
- Provides orange peel effect and anti-slip property.
- Has excellent penetration ability.
- Has hygiene and waterproofing properties.
- Excellent chemical and mechanical strength.
- Easy to apply.
- Easy to clean.

### Technical Data

Content	Epoxy resin	
Mixture Density	1,70 – 1,75 (g/cm <sup>3</sup> , 23°C)	(DIN EN ISO 2811-1)
Viscosity	5,4-5,9 tix index	
Mixture Rate	A/B 90/10 (by weight)	
Abrasion Resistance (Taber)	115 mg 1000 cycles	(EN 1504-2)
Through Pull-off test adhesion strength	>2,0(1,5)b	(EN 1504-2)
Impact Resistance	Class III	(EN 1504-2)
Capillary absorption and permeability to water	<0,1 kg\m <sup>2</sup> . h0,5	(EN 1504-2)

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Shore D Hardness	80±5	ASTM D 2240, DIN 53505
Compressive Strength (N/mm <sup>2</sup> )	55 ~ 57	DIN 53504 TS 1967
Pot Life	40-60 minutes /23°C,200 g.	(DIN 16945)
Curing Time		
<i>Dust free drying</i>	<i>60-90 minutes (at 23°C)</i>	
<i>Touch dry</i>	<i>6-8 hours (at 23°C)</i>	
<i>Topcoated</i>	<i>24 hours (at 23°C)</i>	
<i>Full curing</i>	<i>7 days (at 23°C)</i>	
Chemical Resistance		
<i>Sulfuric acid (H2SO4) %10</i>	<i>3-2</i>	
<i>Sulfuric acid (H2SO4) %20</i>	<i>3-2</i>	
<i>Hydrochloric acid (HCL) %10</i>	<i>3-2</i>	
<i>Hydrochloric acid (HCL) %20</i>	<i>3-2</i>	
<i>Nitric acid (HNO3) %10</i>	<i>3</i>	
<i>Acetic acid (HNO3) %20</i>	<i>2</i>	
<i>Xylene</i>	<i>2</i>	
<i>Ethanol</i>	<i>2</i>	
<i>Solvent Nafta</i>	<i>3</i>	
<i>Sodium Hydroxide (NaOH)</i>	<i>3</i>	
<i>Concentrated Fruit Extract</i>	<i>Staining</i>	
<i>Printing Ink</i>	<i>Staining</i>	
<i>(3*highly strength, 2*durable, 1*weak)</i>		
GTIP No	3907.30.00.00.00	

## Application Procedure

### **Preparation of Substrate**

Application surface must be cleaned off from the contaminant such as dirt, dust, rust, oil etc. Application surface must be scraped to be ready for application.

### **Application Method**

Surface must be primed with **EPOX PR 100** solvent-free primer. If needed, one more coat can be applied after primer layer with **EPOX PR 100**-aggregate mixture or direct aggregate.

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A and B components must be stirred under low speed mixture during 3-4 minutes until homogenous mixture is obtained. Prepared mixture can be applied on the primed surface by using roller or trowel. For obtaining textured (orange peel) effect coral roller should be used. Surface must be protected from water and rain during 24 hours after application.

### Consumption

0,650 kg/m<sup>2</sup> for each layer. (350 μ dry film thickness)

### Packaging

A component: 18 kg + B component: 2 kg = 20 kg set

### Shelf Life

12 months in original, unopened package.

### Storage

Store in dry area between +10°C and +30°C. Protect from heat, freezing and direct sunlight.

### Cleanup Information

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

### Cautions / Limitations

- It may be harmful with skin contact.
- 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 +30°C.
- Avoid heavy traffic for 24 hours.

### Health and Safety

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**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.