

Two part epoxy primer for OASIIS industrial flooring systems

### DESCRIPTION

**OASPRIMER 203** system is a two component, based on epoxy mortar resin designed for using in variety substrates. It is suitable for AC and RC surface and provides excellent adhesion. It is a low VOC, very low odor, human-harmless and environmental green products.

### PRODUCT HIGHLIGHTS

- Excellent penetrating and firm up the substrate
- Excellent adhesion and used in various substrate
- High mechanical strength and chemical resistance

### RECOMMENDED USES

- Priming and sealing concretes substrates prior to applying **OASLASTIC** or **OASFLOOR** systems
- Production of epoxy resin mortars for floor toppings

### PRODUCTION INFORMATION

<b>Composition</b>	0.2-0.5 kg/m <sup>2</sup>
<b>Mixing ratio</b>	2 : 1
<b>Pot life (at 25°C)</b>	Under 35 mins
<b>Full curing(at 25°C)</b>	7 days
<b>Recoating interval (at 25°C)</b>	8 hrs above

\*\*\* Coverage will vary according to the nature of the substrate.

\*\*\* Porosity and texture of the surface will affect the application and amount of primer for effective treatment.

### PHYSICAL PROPERTIES

Property	Result	Test method
<b>Hardness</b> (Shore D)	74	ASTM D2240
<b>Tensile strength</b> , kgf/cm <sup>2</sup>	249	JIS K6911
<b>Blending strength</b> , kgf/cm <sup>2</sup>	within 3~4 hrs	JIS K6911
<b>Compressive strength</b> , kgf/cm <sup>2</sup>	766	JIS K6911

\*\*\* Note: Results are based on the temperature of 25°C; relative humidity is below 50% and allowed to cure for 7 days.

### SYSTEM BUILD UPS

#### 1. OASPROTECT 1000

##### High Performance

(Light to medium traffic)

- Primer **OASPRIMER 203**
- Finishing layer **OASFLOOR 689**

#### 2. OASCOMPACT 2000

(Medium to heavy traffic)

- Primer **OASPRIMER 203**
- Wear layer **OASFLOOR 401**
- Finishing layer **OASFLOOR TC-683** or **OASFLOOR TC-606W**

#### Manufacturer:

#### CHINGTAI RESINS CHEMICAL CO., LTD.

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### PACKAGING & STORAGE

- **OASPRIMER 203 Component A** ..... 10 kg    • **OASPRIMER 203 Component B** ..... 5 kg
- The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 0°C and +25°C. Higher storage temperatures may reduce shelf life of product.
- Store under cover out of direct sunlight and protect from extremes of temperature.
- Shelf life: See label on the package according to the above conditions.

### APPLICATION METHOD

#### • Surface Preparation

All substrates (new and old) must be structurally sound, dry and free of laitance and loose particles. Clean of oil, grease, paint stains and other adhesion impairing contaminants. Profile mechanically the surface by shot blasting, high-pressure water jetting or other suitable mechanical preparation method. After surface preparation, the pull off value of the substrate should exceed 1.5 N/mm<sup>2</sup> (check with an approved pull-off tester). Temperature of the substrate should be minimum +5 °C and maximum +35 °C.

#### • Application

OASPRIMER 203 is supplied in working packs which are pre-packaged in the exact ratio. Pour the entire contents of part A and B into a fresh container. **DO NOT MIX BY HAND.** Mix with a mechanical drill and paddle at a very low speed (ca. 300 rpm) . Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blades submerged in the coating to avoid introducing air bubbles. After mixing, OASPRIMER 203 is applied to the substrate by using a roller or a trowel.

The curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time and curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly. To fully cure, the material, the substrate and the application temperature should not fall below the minimum.

### LIMITATION

- Do not apply to wet, contaminated or friable substrates.
- The temperature below 15°C will retard the curing.
- The coverage will depend on the condition of the surface.
- The storage temperature at 25°C. Shelf life is one year.

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