

Two component, solvent free, self-leveling polyurethane based floor coating

### DESCRIPTION

OASFLOOR 401 is a solvent free, two components coating on polyurethane liquid resin base. It cures to give a hard wearing, easy to maintain surface with a tolerance to a wide range of chemicals. Because the material is polyurethane based, it exhibits enhanced crack-bridging and abrasion resistance properties.

### PRODUCT HIGHLIGHTS

- Environmental friendly
- Solvent free
- Low VOC
- Easy to apply
- Hard wearing
- Resistant to light vehicle traffic
- Resistant to fuels and dilute acids
- High mechanical resistances
- Crack bridging properties

### RECOMMENDED USES

- Warehouses
- Manufacturing area
- Shopping malls and supermarkets
- Exhibition and garages
- Chemical and pharmaceutical industries
- Laboratories

### PRODUCTION INFORMATION

<b>Composition</b>	2-2.8 kg/m <sup>2</sup> in 1-1.5 mm thickness
<b>Color</b>	Grey · Green · Yellow
<b>Mixed Ration (weight)</b>	4 : 1
<b>Pot life (at 25 °C)</b>	25 mins
<b>Ready for Traffic (at 25 °C)</b>	16 hrs

\*\*\* 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
<b>VOC</b>	<50 g/L
<b>Mixed Density (at 25 °C)</b>	1.45 kg/m <sup>3</sup>
<b>Fully Cured (at 25 °C)</b>	7 days
<b>Shord D Hardness (7days)</b>	70
<b>Tensile Strength</b>	>10 N/mm <sup>2</sup>
<b>Compressive Strength</b>	35-45 N/mm <sup>2</sup>
<b>Elongation</b>	<50%
<b>Abrasion Resistance</b> (CS17 Wheels, 1000 cycles and 1 kg load)	< 100 mg

### Manufacturer:

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

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## OASFLOOR 401

## Technical Data Sheet

Two component, solvent free, self-leveling polyurethane based floor coating

Property	Result
Friction coefficient	Dry>0.6
	Wet>0.6
Bond Strength	>1.5 N/mm <sup>2</sup>

\*\*\* Note: Results are based on the temperature of 23°C; relative humidity is below 50% and allowed to cure for 7 days.

### SYSTEM BUILD UPS

**OASCOMPACT 2000**(Medium to heavy traffic)

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

### PACKAGING & STORAGE

- **OASFLOOR 401** Component A ..... 20 kg
- **OASFLOOR 401** 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.

### LIMITATION

- Do not apply to wet, contaminated or friable substrates.
- The temperature below 15°C will retard the curing.
- Thickness cannot be exceeded 1 mm per coat in case to prevent the blister on the surface.
- The coverage will depend on the condition of the surface.

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