



# EpoxyFloor F765

## Epoxy Flooring System

### 環氧樹脂地平系統

#### 1.0 Description

EpoxyFloor F765 is an Epoxy Based self-leveling solventless flooring system designed for medium and heavy duty application. This self leveling formulation provides a dense, impervious, seamless and water-tight coloured surface which is chemically resistant, hygienic and easy to clean.

#### 1.1 Uses

Suitable for medium and heavy duty traffic areas. Used in the following:

- Dairies
- Clean room
- Electronic assembly plant
- Breweries
- High stack warehousing
- Pharmaceutical factories
- Aisle way refurbishment
- Carpark Deck

#### 1.2 Advantages

- Seamless finish
- Fast application
- Hygienic and easy to clean
- Hardwearing and durable
- Solvent free – low odour formulation
- Excellent chemical resistant
- Abrasion and impact resistant

#### 1.3 System Classification

Classification	System	Thickness	Application Area
F765A	Medium Duty	1.5mm – 2mm	General Flooring
F765B	Heavy Duty (A)	2mm – 6mm	Car Park, Warehouse
F765C	Heavy Duty (B)	3mm – 10mm	Car Park, Warehouse
Anti-Slip Top Layer : Labond A950 + EpoxyGuard F760			

#### 2.0 Application

##### 2.1 Substrate Condition

- Substrate should be structurally sound, dry and not suffer from rising damp.
- Suitable damp-proof membrane should be installed to prevent this.
- Substrate should have a relative humidity of not more than 75% at the time of installation and a moisture content of not more than 7% when measured on the protimeter.



**Epoxy Flooring System****2.2 Surface Preparation****Concrete Surface**

New concrete surfaces must be cured for at least 21 days. Old concrete surfaces must be checked for stains, oil contaminants or presence of any existing coatings or curing compounds.

To achieve maximum bond between the substrate and the floor topping, all new and old concrete surfaces must be mechanically prepared by grit-blasting, scabbing, or scarifying technique to remove laitance, oil, grease and any other contaminants.

Vacuum prior to laying the primer.

**Metal Surface**

The surface must be thoroughly degreased and cleaned of stains, oil, grease, paint, etc. It should be grit-blasted to SA2 1/2 (BS 4232 second quality) immediately prior to application.

In cases where grit-blasting are not possible (usually in small difficult areas) power brushing and grinding techniques are used.

For voids and broken areas, apply R603 Epoxy Repairing Mortar to make good surface at least 8 hours before.

**2.3 Priming**

Apply onto the surface, one layer of appropriate Primer (P952/P940/P948) depending on site condition.

Add the entire primer contents of the hardener and base together and mix thoroughly. Apply it immediately to the cleaned surface with a stiff brush and working well to ensure even coverage. Avoid over application and puddling.

Allow the primer to cure overnight before laying the floor topping.

**3.0 Technical Data**

	<b><u>EpoxyFloor F765 A System</u></b> (General Flooring 1.5– 2mm)	<b><u>EpoxyFloor F765 B System</u></b> (Medium Duty Floor 2–6 mm)	<b><u>EpoxyFloor F765 C System</u></b> (Heavy Duty Floor 3–10 mm)
Product Specified	F765 Self-Smoothing Coat	F765 Self-Smoothing Coat + F765M Patch Binding Coat	F765 Self-Smoothing Coat + F765M Patch Binding Coat
Volume solid (%)	100	100	100
Recommended dry film thickness	≥ 1.5 mm	2 – 6 mm	3 – 10 mm
Compressive strength	55 N/mm <sup>2</sup>	85 N/mm <sup>2</sup>	>85 N/mm <sup>2</sup>
Flexural strength @25°C	16 N/mm <sup>2</sup>	>30 N/mm <sup>2</sup>	>35 N/mm <sup>2</sup>
Tensile strength @ 7days	18 N/mm <sup>2</sup>	20 N/mm <sup>2</sup>	>25 N/mm <sup>2</sup>
Pot life (hours)	15 min	15 min	30 min
Foot traffic (hours)	24	24	24
Recoat (hours)	16	16	16
Vehicle traffic (Day)*	5	5	5
Water Permeability (Karsten Test)	Impermeable	Impermeable	Impermeable
Fire Resistance (BS 476 Part 7)	Class 1	Class 1	Class 1

\* For earliest requirement of allowance vehicle traffic, temporary wood board could be installed as protective layer after 24 hours.

**4.0 Typical Application**

Pre-stir the resin components which contain the pigment till the colour pigment is evenly dispersed. Pour the entire contents of the hardener and base component into a mixing container and mix thoroughly till it becomes homogeneous.

While continuing mixing, add quartz sand (Ø 0.05mm) as per above table gradually until they are completely coating with epoxy liquids.

Pour the mixed material onto the primed surface and spread with a steel trowel to achieve a minimum thickness. Using a spiked roller, remove air entrapment and allow curing. The quantity of material should be pre-calculated to ensure that the required thickness is achieved.

Expansion joint in the existing substrate must be maintained and continued throughout the epoxy topping. Use an appropriate joint sealant for the expansion joint.

# EPOXYFLOO RF765

## Epoxy Flooring System



### 5.0 Chemical Resistance

Citric Acid	10%
Hydrochloric Acid	25%
Nitric Acid	25%
Sulphuric Acid	50%
Sodium Hydroxide	50%
Lactic Acid	10%
Phosphoric Acid	50%
Acetic Acid	5%
Tartaric Acid	5%
Fuel / Petrol	Excellent
Sugar Solution	Excellent
Skydrol	Good
Xylene	Good

### 6.0 Colour Range

Available in wide range of attractive colour.  
Please refer Master Proofer Colour Chart

### 7.0 Packaging

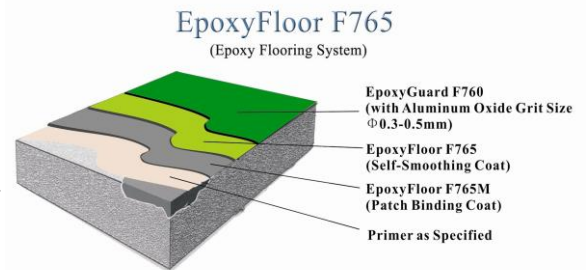
EpoxyFloor F765(Self-smoothing) is available in 30kg/set  
EpoxyFloor F765M(Binder) is available in 30kg/set

### 8.0 Priming

Subject to actual site condition, the following primer could be applied.

- (a) General Cement or Metallic(\*) Substrate – P940 or P952
- (b) Area subject to Rising Moisture – P948

\* Rusting clearance should be provided before application of primer



### 9.0 Coverage

EpoxyFloor F765A - 1.5kg/mm/m<sup>2</sup>  
EpoxyFloor F765B - 1.3kg/mm/m<sup>2</sup>  
EpoxyFloor F765C - 1.0kg/mm/m<sup>2</sup>

### 10.0 Clean Up


Tools and equipment may be readily cleaned before hardening commences by washing in clean up solvent.

### 11.0 Shelf Life

Up to 12 months in unopened containers stored in a cool dry elevated place.

### 12.0 Health and Safety

In case of eye splashes or excessive skin contact, thoroughly flush with water. If any ill effects should occur seek medical attention promptly.



**EPOXYFLOOR F765**

**Self Levelling Epoxy Topping**

**優質環氧樹脂自流地台系統**

**Multi-Colour 多種顏色**

**包裝：30KG/SET 組**

Car Park 停車場  
 Factories 工廠  
 Laboratory 化驗室  
 Playground 娛樂場  
 Hospital 醫院

优点：  
 ✦ High Strength 高强度  
 ✦ High Abrasion Resistance 高抗磨度  
 ✦ Anti-Dust 防尘  
 ✦ Anti-Chemical 抗化學品

LABond