DELTA CHEMTOP MF

Heavy Duty Self-Smoothening Polyurethane Floor





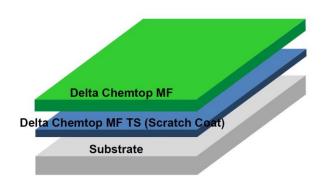
BENEFITS

- High impact and abrasion resistance.
- High chemical resistance.
- Easy to clean and sterilize.
- HACCP certified to Singapore Standard for use in facilities covered by HACCP accreditation

DESCRIPTION

A flow-applied, self-smoothening, polyurethane flooring system with a smooth matt surface finish.

SYSTEM DESIGN



USES

- Chemical resistant floor for chemical process, containment area and wash down rooms.
- Hygienic floor for kitchen, wetfood, beverage processing and packaging plants, pharmaceutical, electronic and chemical plants.
- Mechanically durable floor for loading docks and warehouses.

COLOR

Available in a range of standard colours

FINISH

Matt

SURFACE PREPARATION

Substrates will normally be concrete or polymer modified screeds with minimum compressive strength of 25N/mm² and pull-off strength of 1.5N/mm². Preferably vacuum shot blast the surface with nonimpact method. Concrete surface planer, grit blasting and surface grinding or other mechanical means until a profile is evident can be satisfactory. Substrate must be clean and free from any contamination. For other specific application, consult DELTA INTERCONTINENTAL P/L.

APPLICATION

- Scratch coat of Delta Chemtop MF TS @ 1.9kg/m² (average 1mm thick).
- Body coat of Delta Chemtop MF @ 5.7kg/m² (average 3mm thick).

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DELTA CHEMTOP MF





Mixing — Mix Part A and Part B thoroughly for 10 seconds.

Add Part C and mix content thoroughly for 1 minute.

Mixing is done by using high speed power mixer (750 rpm).

Tools – Applied using notched rake, notched trowel, spike roller.

Recoating Time – Interval between coats: 8 hours

Maximum recoating time: 24 hours

TECHNICAL AND APPLICATION DATA

Compressive Strength	50 N/mm ²
Flexural Strength	21 N/mm ²
Dynamic E-Modulus	14,500 N/mm ²
Tensile Strength	7 N/mm²
Concrete Adhesion	Concrete fails
Taber Abrasive Resistance (1000g, 1000rpm)	0.1g
Coefficient of Thermal Expansion	3.5 x 10 ⁻⁵ °C
Density	1.9 kg/mm/m ²
Impact Resistance	< 0.5 mm (BRE Screed Tester)
Chemical Resistance	See list attached

Recommended dry film thickness	4mm
No. of coats	1
No. of components	3
Mixing Ratio (by weight)	3 : 3 : 14 Part A : B : C
Pot Life	18 mins @ 30°C 25 mins @ 15°C 35 mins @ 8°C
Temperature Resistance	-5°C to 80°C @ 3mm

STORAGE CONDITIONS AND SHELF LIFE

The shelf life of Part A and Part B is 12 months; Part C is 6 months in original unopened packing, stored in dry enclosed place without exposing to direct sunlight and at temperature between 10°C to 32°C. Protect from frost.

MAINTENANCE

To maintain the appearance of the floor, all spillage must be removed immediately and clean regularly using rotary scrubber, wash and vacuum in conjunction with suitable detergents and waxes.

PACKAGING

20 kg set

Comprises of: Part A - 3 kg

Part B – 3 kg Part C – 14 kg

SAFETY

Some components of this product may be hazardous during mixing and application. Always use with suitable personal protective equipment. Close container tightly after use. Keep out of reach of children.

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Chemical Resistance List

Acetic Acid (10%) Acetic Acid (25%) Acetic Acid (40%) Acetic Acid (40%) Acetic Acid (40%) Ammonium Hydroxide (25%) Brine (Saturated sodium chloride) Calcium Chloride (50%) Calcium Hydroxide (Saturated) Citric Acid (20%) Citric Acid (60%) Detergent (Alkaline) Formic Acid (40%) Formic Acid (70%) Formic Acid (99%) Formic Acid (99%) Formic Acid (90%) Formic Acid (37%) Formic Acid (37%) Faint mark (stain) Fuel Hydrochloric Acid (37%) Faint mark (stain) Ferul Hydrochloric Acid (37%) Faint mark (stain) Ferul Hydrochloric Acid (10%) Formic Acid (37%) Formic Acid (50%) Formic Acid (5%) Mo effect Methanol (99%) Mo effect Methyl Ethyl Ketone (99%) No effect Motor Oil No effect No effect No effect No effect No effect No effect Motor Oil No effect No effect No effect No effect No effect Motor Oil No effect No effect No effect Motor Oil No effect No effect No effect No effect No effect No effect Motor Oil No effect No effect No effect No effect No effect No effect Motor Oil No effect Motor Oil No effect	Chemical	Result
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Phosphoric Acid (50%) No effect	_	No effect
-		No effect
		No effect

Chemical	Result
Potassium Hydroxide (50%)	No effect
Sodium Chloride (Saturated)	No effect
Sodium Hydroxide (20%)	No effect
Sodium Hydroxide (32%)	No effect
Sodium Hydroxide (50%)	No effect
Sodium Hypochlorite (15%)	Faint mark (stain)
Sulfuric Acid (5%)	No effect
Sulfuric Acid (30%)	No effect
Sulfuric Acid (50%)	No effect
Sulfuric Acid (98%)	Severe mark (stain)
THF (99%)	No effect
Toluene (99%)	No effect
Distilled Water	No effect
White Spirit	No effect
Xylene (99%)	No effect

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