



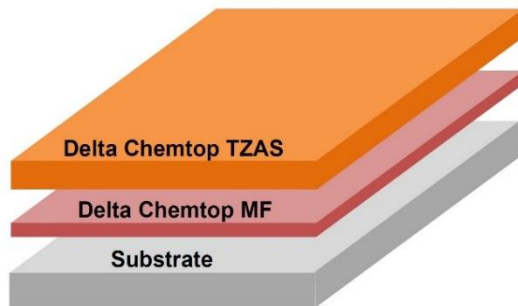
# DELTA CHEMTOPTZAS

Anti-Static Polyurethane Terrazzo

## DESCRIPTION

A single layer, seamless, solvent-free, polyurethane flooring system with a smooth, terrazzo-like satin finish surface.

## SYSTEM DESIGN



## USES

- ❖ Production flooring which require hard wearing, high chemical resistance, anti-static reading of less than 1 mega ohm.
- ❖ Typical applications include electronic component manufacture and assembly, solvent handling, powder processing and packing, pharmaceutical, chemical plants, laboratories and research facilities, ammunition storages.

## BENEFITS

- ❖ Eliminates static charge build up from personnel and vehicles.
- ❖ Seamless and hygienic.
- ❖ Good chemical resistance.
- ❖ Easy to clean and sterilize.
- ❖ Attractive and aesthetically pleasing.
- ❖ High abrasion resistance.
- ❖ Good thermal shock resistance.
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP accreditation

## COLOR

Available in a range of standard colours.

## FINISH

Terrazzo, satin.

## SURFACE PREPARATION

Substrates to be coated must be structurally sound, clean and free from any contamination. Surface preparation by captive shot blasting, scarifying, diamond disc grinding. For oil/grease contaminated areas, use chemical degreaser followed by thorough water washing and drying. For other specific application, consult DELTA INTERCONTINENTAL P/L.

## APPLICATION

- ❖ Cut groove lines.
- ❖ Scratch coat of Delta Chemtop MF @ 2.4kg/m<sup>2</sup> (average 1mm thick).
- ❖ Install stainless steel strip for coving.
- ❖ Lay Delta Chemtop TZAS @ 21.5kg/m<sup>2</sup> (average 9mm thick).
- ❖ Install coving.
- ❖ Grind and polish Delta Chemtop TZAS.

Mixing – Before mixing, stir Part A, then mix Part A and B thoroughly for 2 minutes using a slow speed power mixer (300 – 500 rpm). Pour content into terrazzo mixer. Add Part C and mix thoroughly for 4 minutes.

Tools – Applied using notched trowel, standard trowel.

Recoating Time – Interval between Delta Chemtop MF and Delta Chemtop TZAS: 8 hours  
Curing time for Delta Chemtop TZAS: 24 hours

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# DELTA CHEMTOP TZAS

Anti-Static Polyurethane Terrazzo

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## TECHNICAL AND APPLICATION DATA

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Compressive Strength (BS 6319: Part 2)	55 N/mm <sup>2</sup>
Flexural Strength (ISO 178)	14 N/mm <sup>2</sup>
Dynamic E-Modulus (ASTM C597-83)	20,000 N/mm <sup>2</sup>
Tensile Strength (ISO R527)	6 N/mm <sup>2</sup>
Concrete Adhesion (BS 6319: Part 2)	Concrete fails
Coefficient of Thermal Expansion (ASTM C531)	$2.4 \times 10^{-5} \text{ }^{\circ}\text{C}^{-1}$
Thermal Conductivity (BS 874)	1.1 W/m <sup>2</sup> °C
Surface Resistivity (BS 2050)	$1 \times 10^5$ to $10^8$ ohms
Density (BS 6319: Part 5)	2090 kg/m <sup>3</sup>
Surface Spread of Flame (BS 476: Part 7)	Class 2
Electrical Resistance	< 1 mega ohm
Chemical Resistance	See list attached

Recommended dry film thickness	8mm
No. of components	3
Mixing Ratio (by weight)	2.67 : 2.86 : 25 Part A : B : C
Pot Life	15 mins. @ 29°C
Temperature Resistance	105°C @ 8mm thick

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## MAINTENANCE

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

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## STORAGE CONDITIONS AND SHELF LIFE

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All components of Delta Chemtop TZAS have a shelf life of 12 months in original unopened packing, stored in dry, enclosed place without exposure to direct sunlight and temperature between 15°C to 35°C, protected from frost.

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## PACKAGING

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30.53 kg set

Comprises of: Part A – 2.67 kg  
Part B – 2.86 kg  
Part C – 25 kg

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## SAFETY

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This product contains polyurethane resin and diisocyanate. Do not take internally. May irritate eyes and skin. Ensure adequate ventilation and avoid inhaling vapours. Always use with suitable personal protective equipment.

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## Chemical Resistance List

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Chemical (Open spot 6 hours @ 25°C)	Result
Acetic Acid (10%)	Very faint mark
Acetic Acid (25%)	Very faint mark
Acetic Acid (40%)	Very faint mark
Acetic Acid (99%)	Faint mark
Brine (Saturated sodium chloride)	No effect
Calcium Chloride (50%)	No effect
Calcium Hydroxide (Saturated)	No effect
Citric Acid (20%)	No effect
Citric Acid (60%)	No effect
Detergent (Alkaline)	No effect
Formic Acid (40%)	Severe mark
Formic Acid (70%)	Severe mark
Formic Acid (90%)	Severe mark
Formic Acid (99%)	Severe mark
Gasoline	No effect
Hydrochloric Acid (10%)	No effect
Hydrochloric Acid (37%)	Faint mark
2-propanol (99%)	No effect
Jet Fuel	No effect
Kerosene	No effect
Methanol (99%)	No effect
Methylene Chloride (99%)	Faint mark
Methyl Ethyl Ketone (99%)	No effect

Chemical (Open spot 6 hours @ 25°C)	Result
Motor Oil	No effect
Nitric Acid (5%)	Faint mark
Nitric Acid (30%)	Faint mark
Nitric Acid (65%)	Severe mark
Phosphoric Acid (5%)	No effect
Phosphoric Acid (40%)	Very faint mark
Phosphoric Acid (50%)	Very faint mark
Phosphoric Acid (85%)	Faint mark
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%)	No effect
Sulfuric Acid (5%)	Very faint mark
Sulfuric Acid (30%)	Very faint mark
Sulfuric Acid (50%)	Faint mark
Sulfuric Acid (98%)	Severe mark
THF (99%)	No effect
Toluene (99%)	No effect
Distilled Water	No effect
White Spirit	No effect
Xylene (99%)	No effect