



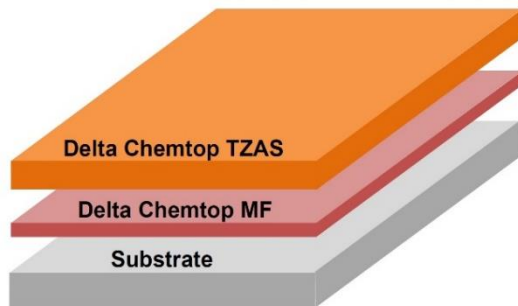
DELTA CHEMTOPTZAS

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/m² (average 1mm thick).
- ❖ Install stainless steel strip for coving.
- ❖ Lay Delta Chemtop TZAS @ 21.5kg/m² (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 CHEM TOP TZAS

Anti-Static Polyurethane Terrazzo

TECHNICAL AND APPLICATION DATA

Compressive Strength (BS 6319: Part 2)	55 N/mm ²
Flexural Strength (ISO 178)	14 N/mm ²
Dynamic E-Modulus (ASTM C597-83)	20,000 N/mm ²
Tensile Strength (ISO R527)	6 N/mm ²
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 ² °C
Surface Resistivity (BS 2050)	1×10^5 to 10^8 ohms
Density (BS 6319: Part 5)	2090 kg/m ³
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

MAINTENANCE

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.

STORAGE CONDITIONS AND SHELF LIFE

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.

PACKAGING

30.53 kg set

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

SAFETY

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.

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