



DELTA CHEM TOP UD 200

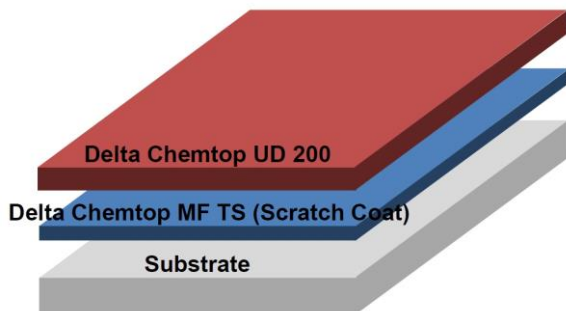
Heavy Duty Polyurethane Floor Screed



DESCRIPTION

A four-component polyurethane trowel-applied screed for industrial application and repair system in matt, anti-skid finish offering versatility in performance, aesthetics and economics.

SYSTEM DESIGN



COLOR

Available in a range of standard colours

FINISH

Matt

USES

- ❖ Chemical resistant floor for chemical process, containment area and wash down rooms.
- ❖ Hygienic floor for kitchen, wetfood, beverage processing and packaging plants.
- ❖ Thermal shock resistant floor for freezers, refrigerators and oven-installed spaces.
- ❖ Mechanically durable floor for loading docks and warehouses.
- ❖ Anti-skid finish for safety in oily/slippery

BENEFITS

- ❖ Anti-skid
- ❖ High wear impact and abrasion resistance.
- ❖ High chemical resistance
- ❖ Easy to clean and maintain smooth, seamless surface
- ❖ High temperature resistance up to 130°C
- ❖ Resist bacterial growth, fungi, mold and mildew
- ❖ No solvent odour during installation
- ❖ One of the fastest turnaround time polymer modified product
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP accreditation



PACKAGING

32 kg set

Comprises of: Part A – 3 kg
Part B – 3 kg
Part C – 14 kg
Part D – 12 kg

Delta Intercontinental Pte Ltd
38 Woodlands Industrial Park E1, #06-04
Singapore 757700

Tel : +65 6219 0700 Fax: +65 6219 2822
Email : deltaintercon@singnet.com.sg
Website : www.deltaintercon.com.sg



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SURFACE PREPARATION

Substrates to be coated must have minimum compressive strength of 25N/mm² and pull-off strength of 1.5N/mm². Preferably vacuum shot blast the surface with non-impact method. Concrete surface planer, grit blasting and surface grinding or other mechanical means until a profile is evident. 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 @ 2kg/m² (average 1mm thick).
- ❖ Body coat of Delta Chemtop UD 200 @ 10.5kg/m² (average 5mm thick).

Mixing – Mix Part A and Part B thoroughly for 10 seconds until uniform. Add Part C and Part D and mix content thoroughly for 1.5 minutes. Mixing is done by using epoxy mortar pan mixer.

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

Recoating Time – Interval between coats: 8 hours
Maximum recoating time: 24 hours

STORAGE CONDITIONS AND SHELF LIFE

All components of Delta Chemtop UD 200 have a shelf life of 12 months in original unopened packing, stored in dry, enclosed place without exposure to direct sunlight and temperature between 10°C to 32°C, protected from frost.

TECHNICAL AND APPLICATION DATA

Compressive Strength	50 N/mm ²
Flexural Strength	15 N/mm ²
Dynamic Elastic Modulus	20,000 N/mm ²
Tensile Strength	7 N/mm ²
Adhesion Strength	Concrete fails
Coefficient of Thermal Expansion	2.5 x 10 ⁻⁵ °C
Thermal Conductivity	1.0 W/m°C
Taber Abrasion Resistance	1g/1000g loading, 1000rpm
Impact Resistance	< 0.5 ml (BRE Screed Tester)
Density	2.2 kg/mm/m ²
Chemical Resistance	See list attached

Recommended dry film thickness	5mm
No. of components	4
Mixing Ratio (by weight)	3 : 3 : 14 : 12 Part A : B : C : D
Pot Life	15 mins @ 30°C 25 mins @ 15°C 35 mins @ 8°C
Temperature Resistance	-25°C to 130°C

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.

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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.

Chemical Resistance List

Chemical	Result
Acetic Acid (10%)	Faint mark
Acetic Acid (25%)	Faint mark
Acetic Acid (40%)	Very faint mark
Acetic Acid (99%)	Very 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%)	Very faint mark
Detergent (Alkaline)	No effect
Formic Acid (40%)	Very faint mark
Formic Acid (70%)	Faint mark
Formic Acid (90%)	Faint mark
Formic Acid (99%)	Faint mark
Gasoline	No effect
Hydrochloric Acid (10%)	Very faint mark
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%)	Faint mark

Chemical	Result
Methyl Tert-Butyl Ether	No effect
Motor Oil	No effect
Nitric Acid (5%)	Very faint mark
Nitric Acid (30%)	Faint mark
Nitric Acid (65%)	Severe mark
Phosphoric Acid (5%)	Very faint mark
Phosphoric Acid (40%)	Very faint mark
Phosphoric Acid (50%)	Very faint mark
Phosphoric Acid (85%)	Very 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%)	Faint mark
Sulfuric Acid (5%)	No effect
Sulfuric Acid (30%)	No effect
Sulfuric Acid (50%)	Faint mark
Sulfuric Acid (98%)	Severe mark
THF (99%)	Faint mark
Toluene (99%)	No effect
Distilled Water	No effect
White Spirit	No effect
Xylene (99%)	No effect

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