



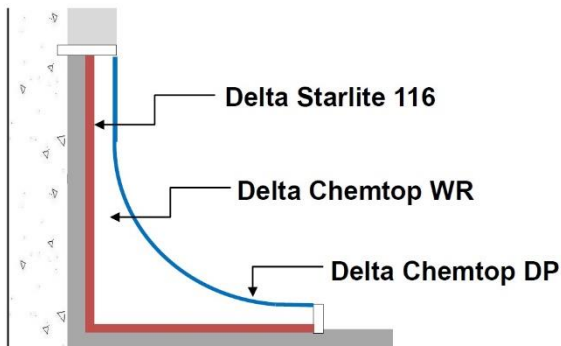
# DELTA CHEMTOPT WR

Polyurethane Mortar Coving

## DESCRIPTION

A polyurethane mortar for coving and vertical surfaces.

## SYSTEM DESIGN



## USES

- ❖ For coving and vertical surfaces that require high chemical resistance.
- ❖ As a coving material for Delta Chemtop MF, Delta Chemtop UD200 and Delta Chemtop TZAS.

## BENEFITS

- ❖ High chemical resistance.
- ❖ Can be applied to vertical surfaces.
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP accreditation

## COLOR

Available in a range of standard colours.

## FINISH

Matt

## SURFACE PREPARATION

Substrates to be coated must be structurally sound, clean and free from any contamination. For horizontal surface, preparation by captive shot blasting, scarifying, diamond disc grinding. For vertical surface, preparation using handheld diamond disc grinder. 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

- ❖ Apply 1 primer coat of Delta Starlite 116 @ 0.25kg/m<sup>2</sup>.
- ❖ Apply Delta Chemtop WR @ 3.0kg/m for coving or 10.5kg/m<sup>2</sup>/5mm thick for vertical surface.
- ❖ Apply 2 finishing coats of Delta Chemtop DP Topcoat @ 0.24kg/m<sup>2</sup>/coat.

Mixing – Before mixing, stir Part A, then mix Part A and B thoroughly for 2 minutes. Add Part C and D and mix content thoroughly for 3 minutes.

Mixing is done using a slow speed power mixer (300 – 500 rpm).

Tools – Applied using straight or curved trowel, depending on profile.

Recoating Time – Delta Chemtop WR is applied when primer is tacky.

Interval between Delta Chemtop WR and Delta Chemtop DP: 8 hours

Maximum recoating time: 24 hours

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## TECHNICAL AND APPLICATION DATA

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Compressive Strength	45 N/mm <sup>2</sup>
Tensile Strength	10 N/mm <sup>2</sup>
Flexural Strength	18 N/mm <sup>2</sup>
Dynamic E-Modulus	14,500 N/mm <sup>2</sup>
Concrete Adhesion	Concrete fails
Thermal Conductivity	0.9 W/m°C
Taber Abrasive Resistance (1000g loading, 1000rpm)	0.1g
Coef. Of Thermal Expansion	3.5 x 10 <sup>-5</sup> °C
Density	1.9 kg/mm/m <sup>2</sup>
Impact Resistance (BRE Screed Tester)	< 0.5mm
Chemical Resistance	See list attached

Recommended dry film thickness	5mm
No. of coats	1
No. of components	4
Mixing Ratio (by weight)	3 : 3 : 10 : 15.7 Part A : B : C : D
Pot Life	20 mins. @ 30°C 25 mins. @ 15°C 35 mins. @ 8°C

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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 WR 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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31.7 kg set

Comprises of: Part A – 3 kg  
Part B – 3 kg  
Part C – 10 kg  
Part D – 15.7 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

Chemical	Result
Acetic Acid (10%)	No effect
Acetic Acid (25%)	No effect
Acetic Acid (40%)	No effect
Acetic Acid (99%)	Faint mark (discoloration)
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%)	Faint mark (discoloration)
Formic Acid (70%)	Faint mark (discoloration)
Formic Acid (90%)	Severe mark (discoloration)
Formic Acid (99%)	Severe mark (discoloration)
Gasoline	No effect
Hydrochloric Acid (10%)	No effect
Hydrochloric Acid (37%)	Faint mark (stain)
2-propanol (99%)	No effect
Jet Fuel	No effect
Kerosene	No effect
Methanol (99%)	No effect
Methylene Chloride (99%)	No effect
Methyl Ethyl Ketone (99%)	No effect

Chemical	Result
Methyl Tert-Butyl Ether	No effect
Motor Oil	No effect
Nitric Acid (5%)	Faint mark (stain)
Nitric Acid (30%)	Severe mark (stain)
Nitric Acid (65%)	Severe mark (stain)
Phosphoric Acid (5%)	No effect
Phosphoric Acid (40%)	No effect
Phosphoric Acid (50%)	No effect
Phosphoric Acid (85%)	No effect
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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