



# DELTA ACID TILES

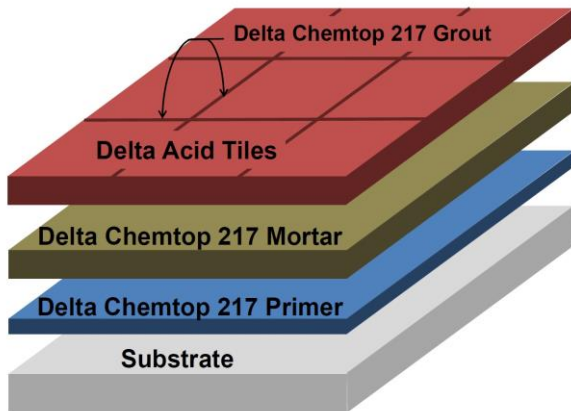
## Secondary Containment Lining



### DESCRIPTION

As a secondary containment lining for corrosive acid storage facilities.

### SYSTEM DESIGN



### USES

- ❖ Ideal for use in areas where exposure to most acids, corrosive chemicals and organic solvents are frequent.
- ❖ For protection of surfaces against dusting, solvent and strong chemical attack.
- ❖ Typical applications include vessel linings, chimney linings, floor and pits, and secondary containment.

### BENEFITS

- ❖ Excellent chemical resistance.
- ❖ High strength, low porosity.
- ❖ Heat resistant
- ❖ Good abrasion resistance
- ❖ Long service life

### COLOR

Red

### FINISH

Low sheen

### 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

- ❖ First coat of Delta Chemtop 217 @ 0.30kg/m<sup>2</sup>.
- ❖ Body coat of Delta Chemtop 217 Mortar @ 12kg/m<sup>2</sup> (5mm thick).
- ❖ Lay Delta Acid Tiles onto the still wet mortar (estimated 27 pieces of tiles for 1m<sup>2</sup>).
- ❖ Fill Delta Acid Tiles pointers with Delta Chemtop 217 Grout @ 1.10kg/m<sup>2</sup> for 5mm width.

*Note: please refer to data sheets of Delta Chemtop 217 and Delta Chemtop 217 Mortar for more details.*

Recoating time – Interval between coats: 8 hours.

Maximum recoating time: 24 hours

**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](mailto:deltaintercon@singnet.com.sg)  
Website : [www.deltaintercon.com.sg](http://www.deltaintercon.com.sg)



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## TECHNICAL AND APPLICATION DATA

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Water Absorption ISO 10545-3	≤ 10.0%
Breaking Strength ISO 10545-4	> 2000N
Modulus of Rupture ISO 10545-4	> 20N/mm <sup>2</sup>
Delta Acid Tiles size	190mm x 190mm x 15mm thick
Chemical Resistance	See list attached

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## STORAGE CONDITIONS AND SHELF LIFE

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Delta Acid Tiles has a long shelf life. Other components like Delta Chemtop 217 and Delta Chemtop 217 Mortar 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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## MAINTENANCE

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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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## PACKAGING

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1. Delta Acid Tiles: 15pcs/box
2. Delta Chemtop 217 (6.1kg)  
Comprises of : Part A: 3.8kg  
Part B: 2.3kg
3. Delta Chemtop 217 Mortar (34.1kg)  
Comprises of : Part A: 3.8kg  
Part B: 2.3kg  
Part C: 28.0kg
4. Delta Chemtop 217 Grout (1.88kg)  
Comprises of : Part A: 1.0kg  
Part B: 0.6kg  
Part C: 0.28kg

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## SAFETY

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Although Delta Acid Tiles is non-combustible, other components like Delta Chemtop 217 and Delta Chemtop 217 Mortar contains epoxy resin. Ensure adequate ventilation and avoid inhaling vapours when working. 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%)	No effect
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%)	No effect
Formic Acid (70%)	No effect
Formic Acid (90%)	No effect
Formic Acid (99%)	No effect
Gasoline	No effect
Hydrochloric Acid (10%)	No effect
Hydrochloric Acid (37%)	No effect
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
Methyl tert-butyl ether	No effect
Motor Oil	No effect
Nitric Acid (5%)	No effect
Nitric Acid (30%)	No effect

Chemical	Result
Nitric Acid (65%)	No effect
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%)	No effect
Sulfuric Acid (5%)	No effect
Sulfuric Acid (30%)	No effect
Sulfuric Acid (50%)	No effect
Sulfuric Acid (98%)	No effect
THF (99%)	No effect
Toluene (99%)	No effect
Distilled Water	No effect
White Spirit	No effect
Xylene (99%)	No effect

Test	Open spot Duration
Sulfuric acid (50%)	2 hours
Sulfuric acid (98%)	2 hours
Sulfuric acid (50%)	6 hours
Sulfuric acid (98%)	6 hours
Sulfuric acid (98%)	24 hours