

# Ceilcote® Coatings



*Chemical resistant vinyl ester barrier coatings*

Jul 15

## Ceilcote® Range

Ceilcote® vinyl ester coatings feature a chemical resistant vinyl ester resin base with "Barrier Technology" to protect concrete and steel surfaces from aggressive chemicals. This can result in a coating life in the range of 10 to 20 years, even in immersion service under extreme chemical conditions.

Ceilcote® vinyl ester coatings have been made by Armatec in New Zealand since 1982, under licence to Akzo Nobel (International Paints). Often our specialist team installs the coatings, providing the customer with supply and installation from the one source.

### • Ceilcote® 242 Flakeline

Flake filled vinyl ester heavy duty coating applied to concrete and steel in two coats by spray or brush to a nominal thickness of 0.7 to 1.0 mm. Used in immersion and non-immersion duty. Widely used in chemical bunds and in corrosive fume areas. The most popular vinyl ester coating with barrier technology.

### • Ceilcote® 242GF Flakeline

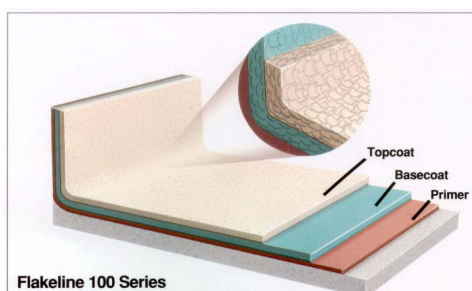
Glass flake filled vinyl ester heavy duty coating applied to concrete and steel in two coats by spray or brush to a nominal thickness of 0.7 to 1.5 mm. Used in immersion and non-immersion duty. Used in splash and tidal zones on oil rigs and other corrosive areas.

### • Ceilcote® 242 Flakeline MR

Silica filled and glass mat reinforced vinyl ester basecoat with a flake filled vinyl ester topcoat applied to concrete and steel in two coats to a nominal thickness of 1.5 mm. One or more layers of glass reinforcing gives extra physical strength to the system for more durability. Popular for use in lining chemical bunds or chemical waste tanks.

### • Ceilcote® 282 Flakeline

Glass flake filled special vinyl ester heavy duty coating applied to concrete and steel in two coats by spray or brush to a nominal thickness of 0.7 to 1.0 mm. Used in immersion and non-immersion duty. Outstanding high temperature resistance and widely used in FGD scrubbers at power stations.



### • Ceilcote® 140 Flakeline

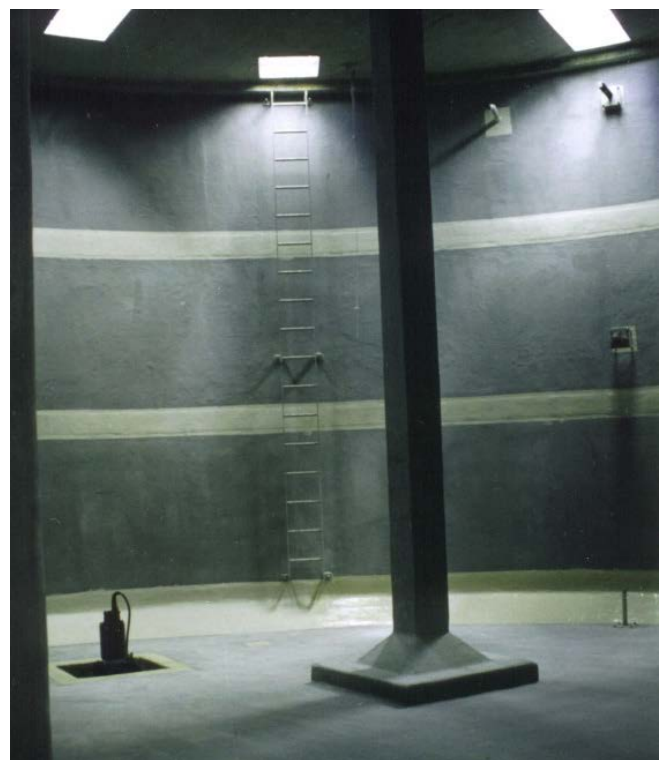
Glass flake filled vinyl ester heavy duty, chemically resistant lining for the protection of steel surfaces against aggressive chemicals in immersion service. Ceilcote® 140 Flakeline is trowel applied in two coats to a nominal thickness of 1.5 to 3.75 mm. This ultra low permeability of this system means it is ideal for lining storage tanks with very aggressive chemicals.

### • Ceilcote® 652 Lining

Silica filled ultra low permeability basecoat with 2 or more layers of glass mat reinforced vinyl ester fibreglass laminate applied to a nominal thickness of 3 mm. This chemically resistant lining heavy duty lining is used in immersion service especially when a smooth finish is required. The layers of glass mat reinforcing give the system extra durability.

### • Ceilcote® 6640 Ceilcrete

Silica filled and glass reinforced vinyl ester heavy duty lining that is applied to concrete and steel in two coats to a nominal thickness of 3 mm. The surface of this lining is non-slip plus it is abrasion resistant making it ideal for chemical tanks and sumps handling corrosive chemicals and solids. As it is almost indestructible, it is popular in chemical bund and factory areas subject to extensive abuse.



Brewery waste neutralisation tank lined with Ceilcote® vinyl ester coatings. Coating is in 'as new' condition more than 10 years after installation.

### BENEFITS

- Corrosion Resistant: Outstanding resistance to chemicals such as many acids, alkalis, solvents and especially hypochlorites. Contact Armatec for coating suitability for specific chemicals.
- Proven Performance: Ceilcote® Ceilcrete products have been used world wide and in NZ for more than 25 years with outstanding results.
- Good Temperature Resistance: The vinyl ester base provides good temperature resistance.
- Abrasion Resistant: The silica filled topcoat is abrasion resistant and slip resistant.
- Low Life Cycle Cost: The ultra low permeability means a long, trouble free life of 15 years plus in many services, even in immersion duty.
- Quick Turn Around: Fast cure allows equipment to be put back into service faster.
- Cost Effective: The long life and fast application makes the coating a cost effective choice.

### SURFACE PREPARATION

- Concrete: Provide a clean, dry, porous surface, free from lumps and protrusions. High pressure water blasting, abrasive blasting, scabbling and acid etching are methods that can be employed. Holes in concrete should be filled after priming.
- Steel: Abrasive blast with garnet or steel grit to achieve a near white finish and a minimum surface profile of 75 microns. All welds should be continuous, weld lumps and splatter should be removed, and all edges should be radiused to a minimum of 3 mm.

### APPLICATION

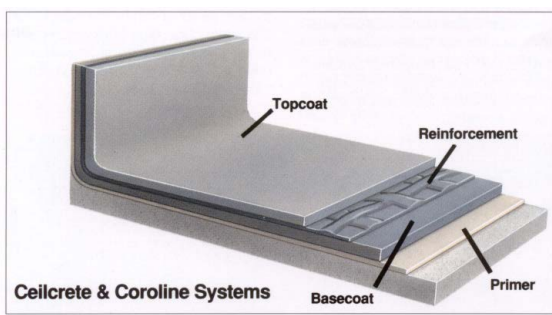
Apply Ceilcote® Coatings by spray, brush, trowel or roller in steps as per the application instructions available from Armatec. Ceilcote® Coatings can be applied by Armatec specialist crews or approved applicators.

### AVAILABILITY

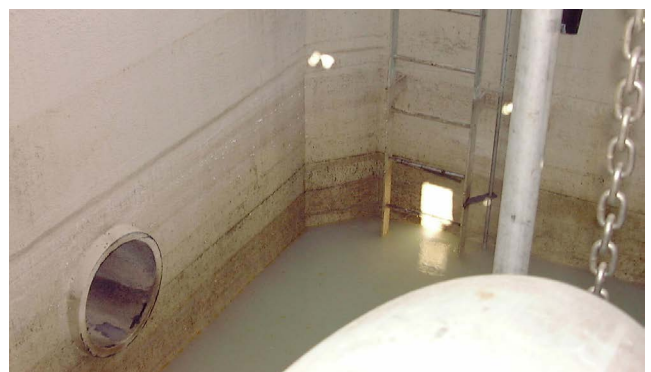
Ceilcote® vinyl ester coatings are available in New Zealand on short lead times as all materials are held in stock in our New Plymouth factory.

### MORE INFORMATION

For more information on a specific Ceilcote® vinyl ester coating system, please contact ARMATEC and ask for detailed bulletins. We will be pleased to offer our advice on the selection of the coating best suited to your application.



Ceilcote® 200 Series Flakeline applied to base of large storage tank to rehabilitate pitted steel plates and provide long term protection from future corrosion.



Ceilcote® 242 Flakeline protects tank handling spent CIP chemicals and wastes from Dairy Factory.



Ceilcote® 242GF Flakeline applied to protect steel pipes used offshore by the Oil & Gas Industry.



Ceilcote® 100 Series Flakeline trowel applied to inside of chemical steel storage tank used in Pulp & Paper Industry.