

# SITUCLAD/FIBRECLENE

## PURPOSE:

- SITUCLAD - Waterbased epoxy cladding.
- FIBRECLENE - polyester resin based cladding.
- SITUCLAD VE - vinyl ester resin based cladding.
- SITUCLAD VE GLASS FLAKE - combination of vinyl ester resin and glass flake topcoat.
- SITUCLAD AR - highly chemical resistant fibreglass reinforced wall cladding.

Applied insitu to structural walls and surfaces to provide a jointless, impact and chemically resistant, hygienic surface cladding, reinforced with glass fibre matting.

## PROPERTIES:

- Good stain and chemical resistance.
- Short application period.
- Recommended for areas of high impact and abrasion.
- Easily cleaned.
- May be applied to a wide variety of substrates.
- Easily repaired and maintained.
- Complies with Health, Agriculture and Fisheries Departments' requirements.
- Will not peel or flake.
- Finish - semi-gloss.
- White, pastel colours to order.
- Resistant to fats, oils, most solvents, acids and alkalis.
- Cured films are non toxic and are suitable for food contact.

## SUGGESTED USES:

Food storage and processing plants.  
 Pharmaceutical filling and processing areas.  
 Freezing works, abattoirs, slaughter houses.  
 Dairy factories.  
 Brine tanks.  
 Chemical processing plants.

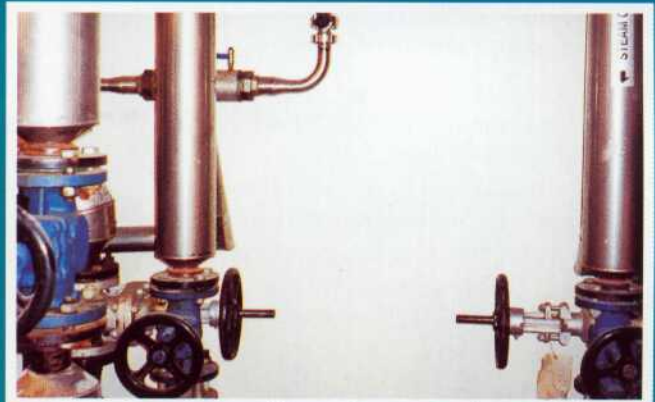
### GENERAL:

NUPLEX manufactures a number of fibreglass reinforced wall cladding systems formulated to comply with Dept of Health and Ministry of Agriculture and Fisheries requirements. They are applied insitu to provide a jointless, impact resistant hygienic surface following substrate contours and profiles.

NUPLEX Industries Ltd provide a technical advisory and consultation service to all specifiers and users from offices located in Auckland, Hamilton, Palmerston North, Wellington and Christchurch.



Situclad hygienic wall cladding



Situclad as a chemical resistant wall cladding



Situclad V.E. & V.E. Glass Flake chemical bund and tank linings



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## GENERAL PROPERTIES

### FIBRECLENE, SITUCLAD, SITUCLAD VE, SITUCLAD VE (GLASS FLAKE), SITUCLAD AR

Follows complex curves, columns and other profiles to provide a smooth, impervious, easily cleaned surface.

Excellent impact and abrasion resistance.

May be applied to a wide variety of substrates.

Easily repaired and maintained. Will not peel or flake.

Applied by brush and roller insitu.

Cured films are non toxic and are suitable for food contact.

Able to bridge minor defects, holes etc in the substrate.

### FIBRECLENE (POLYESTER)

#### Composition and Properties

- A fibreglass reinforced wall cladding system using Polyester resin as the laminating medium.
- Short application period.
- Applied by roller with CSM and surfacing tissue.
- Semigloss finish.
- Lamination thickness 1.75mm approx.

#### Colours

White, pastel colours to order  
(Minimum quantities apply).

### SITUCLAD (EPOXY)

#### Composition and Properties

- A fibreglass reinforced wall cladding system incorporating water based epoxy resins which provide a full gloss finish.
- May be applied to damp surfaces.
- Excellent chemical resistance.
- May be applied to a wide range of new and existing substrates to follow contours.
- Low odour, will not contaminate foodstuffs.

#### Colours

White - may be pigmented. Pastel colours to order.

### SITUCLAD V.E. (VINYL ESTER)

#### Composition and Properties

- A highly chemical resistant fibreglass reinforced wall cladding system incorporating vinyl ester resin as the laminating medium.
- Short application period.
- Excellent chemical resistance at both ends of the p.H. scale i.e. acidic and alkali compounds.

- Semigloss finish.
- Laminate thickness approx. 1.75mm (0.070").
- Special grade available to resist chlorine products.
- High wet heat resistance up to 100degC.

### SITUCLAD V.E. (GLASS FLAKE)

#### Composition and Properties

- Flake glass reinforcement coating system generally used as topcoat system over Situclad VE.
- Leaking properties of the glass flakes combined with vinyl ester resin ensures remarkably low permeability rates with exceptional all round chemical resistance. (Refer to chemical resistance information on data sheet.)
- Short application period.
- Temperature resistance up to 100°C.
- Typical coating thickness 1.0mm.

### SITUCLAD A.R.

#### Composition and Properties

- A highly chemical resistant fibreglass reinforced wall cladding system incorporating Surecote 500AR (epoxy Novalac) resin as the laminating medium.
- Exceptional resistance to caustic (sodium hydroxide) and sulphuric acid.
- May be applied to damp surfaces.
- Laminate thickness 1.00mm approximately.
- High wet heat resistance to 100°C.
- Very low odour during installation.

#### Colours

Normally clear, however off white and pastel colours are available to order although not recommended when used in critical chemical areas. Light colours may show signs of surface yellowing over time.

## TYPICAL APPLICATIONS

Food processing and storage plants.

Pharmaceutical filling and processing areas.

Freezing works, abattoirs, slaughterhouses.

Dairy factories.

Brine tanks.

Chemical processing plants.

Hospital and commercial kitchens.

Operating theatres.

Cool stores.

Chemical storage and bund areas.

Effluent sumps.

Flooring in wineries and food processing areas, chillers etc (Situclad VE Glass Flake).



**NUPLEX**  
**CONSTRUCTION**  
P R O D U C T S

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