

## FORMCRETE

### THERMAL REINFORCED CLADDING SYSTEM

#### FEATURES

Formcrete is a strong commercial cladding system for all types of buildings, from homes to factories.

Formcrete, incorporating foam insulating sheathing, dual reinforced modified plaster provides a uniquely strong high build cladding system.

Formcrete is available in a wide range of attractive profile finishes, from smooth to high textures.

Formcrete provides excellent thermal qualities and as such, aids in keeping the building warm in winter and cool in summer.

Formcrete produces shapes and building features - economically.

#### RECOMMENDED USES

Formcrete as a cladding system is ideal for new and existing buildings such as:

- Private Homes
- Office Blocks
- Shopping Complexes
- Commercial Buildings
- Recreational Structures
- Factory Complexes

Formcrete provides an alternative and economic building cladding system with attractive finishes.

The Formcrete system is installed on-site by qualified Formcrete Applicators in accordance with Hitchins' recommended procedures.

Formcrete panelisation is factory pre-fabrication of panels, feature shapes, facades and partitions.

### SPECIFICATION DATA

#### DESCRIPTION:

A thermal cladding system with fibre reinforced plaster.

#### COMPONENTS:

- Moulding-Flashings-Reinforcing
- Insulating Foam Sheathing
- Reinforced Formcrete Basecoat
- Formcrete Mesh Mechanically Fixed
- Reinforced Formcrete Topcoat
- Decorative Finishes.

#### COLOURS:

A very wide range of colours and textures are available in various Hitchins' product finishes.

#### FINISHES:

Wide range of profiles from smooth, sandy, light to high texture.

#### *Finishes include:*

- High build acrylics.
- Ceramicised quartz.
- Coloured cement base textures.
- Aggregate filled acrylic textures.
- Silin Universal Silicate paint.
- Lime paint

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**Innovation Through Proven Products & Systems**



**CONSTRUCTION:**

Formcrete can be applied to a variety of structures, new and existing, including timber frame, concrete, blocks, steel frames, plywood, gibraltar board (appropriate grade), existing wall linings, brick work etc. All surfaces and structures must be sound and built in accordance to the appropriate building standards.

**OVERVIEW OF FORMCRETE COMPONENT SYSTEM:****FLASHINGS:**

These comprise of base channelling, window/door head flashings, recess surround flashings, parapet cappings, drip mouldings etc. Available in a variety of products from galvanised iron, aluminium, expanded mesh, plastic and vinyl.

**FOAM CLADDING:**

A range of product systems including:

- 30mm polystyrene foam bickies (1200 x 600mm), glued in brick like pattern over gibraltar board and plywood.
- 30mm extruded foam. 2.400 tongue and groove panelling, laid horizontal.
- 40mm Formcrete shaped reinforced foam sheets, fixed vertical.

**REINFORCEMENT:**

There are 4 separate reinforcing product procedures involved:

- Heavy duty 8mm alkali resistant fibreglass mesh, mechanically fixed.
- Flexible 4mm alkali resistant fibreglass mesh, set in matrix to mouldings and feature shapes.
- Expanded mesh or specially made mouldings for external corners.
- Alkali resistant fibreglass chopped rovings incorporated in Formcrete modified plaster.

**MECHANICAL FIXINGS:**

Depending on construction, the Formcrete system incorporates:

- 30mm plastic Formcrete washers fixed at 300mm minimum and maximum 600mm centres using galvanised twist nails.
- 30mm plastic Formcrete concrete fasteners fixed at 100 centres.
- 100mm plastic Formcrete concrete fastener fixed at 200 centres.

**FORMCRETE PLASTER:**

Specially formulated modified plaster incorporating acrylic resins, fine matrixes, cement, chopped fibreglass rovings and a range of components to produce an exceptionally strong plaster lining consisting of base or bedding-in coat, flush or topcoat and texture finish. Film build 6-8mm.

**FINISHES:**

- Can be self textured from smooth, sandy, light to high texture and finished in Formcote which is available in matt, satin, semi and gloss.
- Apply Hitchins' Sealflex high build acrylic system (semi gloss) and/or glazed with Arkan.
- Sprayed Fortex (sand/aggregate filled acrylic high build) finished in sandy to light to high build texture.
- Sprayed Tyrocem, a self colour cement base finish.
- Sprayed Ceramitz, a high quality continuous wall coating incorporating coloured ceramicised quartz sands.
- Coat in Silin Universal, a unique silicate paint incorporating inorganic coloured pigments.
- Vicalit Lime paint - Limited exterior exposure - protected areas.

For detail data of the above finishes, please refer to relevant product dataspec.

**FORMCRETE APPLICATION:**

By trained licenced Formcrete Applicators to Hitchins New Zealand Ltd's specification and application procedures.