

# BETON WALL AND FLOOR



Beton Decorative Cement System is a premium cement-based decorative coating designed to create seamless concrete-look finishes on both walls and selected floor applications in residential and commercial environments.

## Key Features:

- Premium cement-based decorative coating
- Suitable for internal and external use
- Available in Coarse, Medium and Fine
- Smooth or textured decorative finishes
- Excellent adhesion to correctly prepared substrates
- Durable architectural finish
- Compatible with Chemro protective sealers
- Can be polished for refined finishes
- Suitable for new construction and renovations
- Low VOC polymer system
- Easy maintenance once sealed

## Application Guide:



## Additional Information

### Selecting the Correct Grade

- Beton Coarse
- Used where heavy texture, uneven substrates or thicker build is required.
- Beton Medium
- Suitable for general decorative applications requiring moderate surface levelling.
- Beton Fine
- Used as the final decorative coat to achieve smooth contemporary finishes.
- One or more coats of Beton Fine may be applied over Medium or Coarse grades where a finer appearance is required.

## Seamless Design, Naturally Modern

Available in Coarse, Medium and Fine grades, Beton allows applicators to achieve a wide variety of contemporary decorative finishes ranging from textured architectural concrete effects to smooth polished cement appearances. The system consists of a specially formulated cement powder combined with its dedicated liquid polymer, producing a high-strength decorative coating with excellent adhesion and durability for both interior and exterior applications. Once mixed and applied correctly, Beton normally cures within approximately 24 hours before further finishing or sealing.

Applied by hand using steel or plastic trowels, Beton creates a modern seamless decorative surface without joints or grout lines.

The finish can be customised using different application techniques to produce subtle movement, natural concrete effects or refined polished finishes.

Once sealed with the recommended Chemro protective coating, Beton provides a durable decorative surface suitable for numerous architectural applications.

The Chemro Beton Decorative Cement System consists of:

- Beton Decorative Cement Powder
  - Beton Coarse
  - Beton Medium
  - Beton Fine
- Beton Polymer Liquid
- Recommended Chemro Protective Sealer
  - Matt
  - Glaze
  - Microgloss
  - Microsatin
  - Micromatt

## Surface Preparation

Surface Preparation for Chemro Microfloor System

### 1. General Requirements

- Surfaces must be structurally sound, clean, and free from dust, grease, oil, wax, curing compounds, and loose particles.
- Surface flatness and profile should match the microcement system requirements. Any cracks or holes must be repaired.
- The substrate should be dry. Wood Moisture Equivalent (WME%) must be below 15% before applying any layer.
- Ideal application and curing temperatures are between 10°C and 30°C (including substrate surface temperature).

### Suitable Substrates

#### Concrete

Concrete should be fully cured.

Remove laitance by grinding or mechanical preparation.

#### Cement Render

Ensure render has fully cured.

Remove weak material.

#### Brick & Block

Ensure mortar joints are sound.

Remove dust and contaminants.

## Suitable Applications

### Beton is suitable for:

- Interior walls
- Exterior walls
- Feature walls
- Fireplaces
- Concrete surfaces
- Render
- Brickwork
- Blockwork
- Fibre cement sheeting
- Plasterboard (interior)
- EPS architectural mouldings (properly prepared)
- Previously coated stable surfaces
- Cement-based waterproofed substrates
- Decorative commercial surfaces

### Not Recommended For

#### Beton should not be applied over:

- Plastic surfaces
- PVC
- Polyethylene
- Polypropylene
- Highly flexible waterproof membranes
- Moving substrates
- Unsanded glossy coatings
- Unstable substrates
- Contaminated surfaces
- Surfaces affected by rising moisture

## Structural Stability and Joint Preparation – Critical for System Performance

### Structural Stability

- Firm Substrates: All surfaces, both walls and floors, must be completely stable, rigid, and free from movement before applying the Chemro system.
  - Floors: All floor substrates must be fully supported on unmovable structures.
  - Any softness, movement, or “drumminess” under the floor will lead to cracking, delaminations, or hollow areas in the system.
  - Walls: Walls must be structurally sound and rigid.
  - Any structural movement or unstable substrate may cause cracks, detachment, or failure of the coating.
- Applicator Responsibility: It is the installer's responsibility to assess and verify the structural integrity of all substrates before application.
- Substrates showing any signs of movement, flexibility, or instability must be repaired or reinforced prior to application.

### Joint Preparation

- All joints in walls and floors must be properly filled and finished according to the manufacturer's guidelines before applying.
  - Joint Compounds: Ensure all joint compounds are fully cured and compatible with the system.
  - Check each joint to confirm that the system will bond properly and perform as intended.
  - Professional Installation Required: Improperly filled or unprepared joints can result in cracking, delamination, or uneven finishes.
  - It is the applicator's responsibility to ensure that all joints are assessed, filled, and finished by trained professionals.

## Plasterboard

Must be firmly fixed.

All joints should be properly finished.

## Fibre Cement

Panels must be securely fixed.

Light sanding is recommended.

## EPS

Must be properly reinforced and coated using approved render systems before Beton application.

## Previously Coated Surfaces

Existing coatings must:

- Be firmly bonded
- Be mechanically sanded
- Be compatible
- Be free from contamination

Poorly adhered coatings must be completely removed.

## Waterproofing

Suitable only over fully cured cement-based waterproofing membranes.

Flexible waterproof membranes are not recommended.

The applicator must inspect the waterproofing before application.

## Mixing

Each Beton grade is supplied as:

- Decorative cement powder
- Dedicated polymer liquid

Always mix the complete units.

Mechanical mixing is recommended.

Mix until smooth and lump free.

Allow to stand for several minutes before remixing.

Never add additional water.

Never alter the supplied mixing ratio.

## Application

Apply using:

- Stainless steel trowel
- Plastic trowel
- No-black-mark trowel

Multiple thin coats are recommended rather than one heavy coat.

Application techniques determine the final appearance.

Allow approximately 24 hours curing between coats.

Check moisture before recoating.

## Sanding

Sand between coats where required.

Recommended abrasives:

- 80 grit (Coarse)
- 120 grit (Medium)
- 180 grit (Fine)

Remove all dust before further coats.

## Sealing

After Beton has fully cured and moisture levels are acceptable, apply one of the following Chemro sealers:

- Microgloss
- Microsatin
- Micromatt
- Matt
- Glaze
- Paint

Apply according to the individual sealer Technical Data Sheet.

## Curing

Typical cure:

Approximately 24 hours

Cool temperatures and high humidity will increase curing times.

Do not expose freshly applied Beton to rain, frost or heavy traffic during curing.

## Tools Recommended

- Stainless steel trowel
- No Black Mark trowel
- Plastic trowel
- Mechanical mixer
- Mixing bucket
- Sanding equipment
- Vacuum
- Short nap microfibre roller (for sealer)

## Important Note

- Always check the recommended coating system for each substrate type before starting the application.

## Disclaimer

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