

# Method Statement

*Ref. #: DCP02/11-0087-A-2025*



## Proplast Microtopping

(Cementitious decorative topping layer for internal and external applications on horizontal and vertical surfaces)



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## Section A: General Comments

### General Notes:

The information below is a detailed overview of the application of DCP's **Proplast Microtopping** decorative layer for floors and walls and should be read in conjunction with the relevant technical data sheet prior to application. All DCP Products should be applied by experienced specialist contractors.

All the points below assume correct preparation of the relevant surface.

### Tools and Equipment:

It is suggested that the following list of equipment are adopted as a minimum requirement

#### Personal protection

- : Protective overalls
- : Goggles or a face mask (for dusting)
- : Good quality gloves
- : Safety shoes
- : Safety helmet



#### Application equipment

- : Low speed drill fitted with suitable paddles (Fig.1)
- : Empty bucket (Fig.2)
- : Roller - first coat (Fig.3)
- : Stainless steel trowel – second coat (Fig.4)
- : Sandpaper or mechanical sander (Fig.5)



Fig.1: Low speed drill fitted with suitable paddles



Fig.2: Empty bucket



Fig.3: Roller



Fig.4: Stainless steel trowel



Fig.5: Sandpaper or mechanical sander



## Section B: Application

### 1.0 Substrate Preparation

- 1.1 Substrate must be structurally sound, dry, and free from oil, grease, laitance, dust, curing compounds, loose material, or organic growth.
- 1.2 Best achieved by grit blasting, high-pressure water, or mechanical grinding.
- 1.3 Any deteriorated areas should be repaired before applying **Proplast Microtopping**.
- 1.4 Remove weak or unsound layers by mechanical means.

### 2.0 Priming

- 2.1 No special primer is required.
- 2.2 Dampen cementitious surfaces with clean water to reach a saturated surface dry (SSD) condition.
- 2.3 Remove any excess surface water before application.

### 3.0 Mixing

- 3.1 Use a clean container and low-speed mixer fitted with a paddle.
- 3.2 Pour the liquid component first.
- 3.3 Gradually add the powder component while mixing continuously.
- 3.4 Follow the mixing ratios specific to each layer (liquid : powder by volume):
  - First coat (1 : 0.65)
  - Second coat (1 : 1.3)
  - Third coat (1 : 0.98)
- 3.5 Mix for 3 minutes until a uniform consistency is achieved.
- 3.6 Working time of the mix is approximately 30 minutes at 25°C.

### 4.0 Application

- 4.1 Apply in three layers as follows:
  - 1<sup>st</sup> Layer – Apply using a roller at 0.5 mm thickness
  - 2<sup>nd</sup> Layer – Apply using a trowel at 1.0 mm thickness
  - 3<sup>rd</sup> Layer – Apply using a trowel at 1.0 mm thickness
- 4.2 Allow each layer to cure for at least 8 hours under normal conditions before applying the next.
- 4.3 After the third coat, wait 8 – 10 hours, then smooth and sand the surface to remove any buildup and achieve a uniform finish.
- 4.4 Clean all sanding dust thoroughly before applying sealer.



## 5.0 Sealing (Recommended)

- 5.1 Apply a sealer 24 hours after the third layer is sanded and fully cured.
- 5.2 Recommended sealers:
  - DCP's **Repelicone** range (for water repellency)
  - Water-based polyurethane sealer (for chemical and stain resistance)
- 5.3 Sealer enhances durability and stain protection for interior and exterior use.  
**Consult DCP to select the appropriate grade based on concrete mix and desired finish.**

## 6.0 Cleaning

- 6.1 Clean all tools immediately after use with clean water.
- 6.2 Hardened material must be removed mechanically.

## 7.0 Limitations

- 7.1 Do not apply below 5°C.
- 7.2 Protect from rain and contamination during curing.
- 7.3 Ensure surfaces are sound, clean, and free from excess moisture.
- 7.4 Do not apply more than the recommended thickness per layer.
- 7.5 Do not expose to heavy traffic before full cure and sealing.

## Section C: Cautions

### Health and safety

**Proplast Microtopping** may cause irritation to skin and eyes. In case of eye contact, flush immediately with clean water and seek medical advice. Avoid prolonged inhalation of dust during sanding. Use gloves, goggles, and a dust mask at all times during application and finishing.

### Fire:

**Proplast Microtopping** is nonflammable

**For further information on refer to the Material Safety Data Sheet.**

## Section D: Approval and Variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Proplast Microtopping**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to DCP for approval, in writing, prior to commencement of any work. DCP will not accept responsibility or liability for variations to the above method statement under any other condition.