

# ALPHA ECC PREMIX

ALPHA ECC PREMIX HAS ALL THE NECESSARY HIGH-PERFORMANCE INGREDIENTS PREBLENDED, ALLOWING FOR PRECAST, OFF FORM AND INSITU ARCHITECTURAL CASTINGS



## ALPHA

## IMPORTANT INFORMATION

**PACKAGING:** 20kg Bag

**MIX RATIO**

3.2kg - 3.4kg of chilled water per 20kg bag  
Mechanically mix for 10-15 minutes.

**DIRECT CAST**

PVA 15's: 140 grams &  
PVA 100's: 40 grams per 20kg bag

**Cementitious Binder:** 50%

**COLOUR:** White

**COVERAGE:** Approximately 1 sqm at 10mm thick

## MIXING INSTRUCTIONS

**Application, Advantages and Solutions:**

- Replacing 1/3 of the required water with ice, in warm months will allow for further work time
- Add Iron Oxides if required to achieve desired colour
- Cure concrete under white geo-fab, plastic and packing blankets for best curing results
- Alpha Powder Water Reducer will assist in achieving a high fluid mix

**Mixing Instructions:**

Use clean, dry mixing equipment or handheld mixers

- Dry blend Alpha ECC Premix with Iron Oxide
- Add water and blend
- Add ice and continue blend until homogeneous.
- After initial blend, slowly add PVA / High Disperse Fibres within your mix.
- If a more fluid consistency is required, small dosages of Alpha Powder Water Reducer can be slowly introduced within the mix.

Note: Ensure a fiber's are fully dispersed through our mix.

**Casting Technique:**

Alpha ECC Premix is a highly engineered mix. This mix is allowing for burnishment on the topcoat. ECC can be precast, cast in-situ as well as off form. Recommend to follow the fibre loadings set out within the above mix instructions for best success

**Curing:**

To ensure that concrete reaches its maximum potential, place white geo-fab, layer plastic sheeting followed by packaging blankets will keep the moisture from escaping. Demold after 24-48 hours, depending on environment and weather conditions.

**Polishing:**

Polishing can be done wet or dry. To maintain the cream layer, lightly polish the concrete using pads that are 200 grit or 400 grit. To achieve a sand exposure finish begin grinding with coarser grit pads, progressing to finer grits until desired exposure is reached.

**Sealing:**

Allowing your concrete to cure full prior to sealing for optimum sealer performance is essential. Sealing your concrete using Alpha Concrete Countertop Sealer. Refer to Alpha Concrete Countertop Sealer guide for sealing application.