ALPHA GFRC/SCC PREMIX

ALPHA GFRC/SCC PREMIX HAS ALL THE NECESSARY HIGH-PERFORMANCE INGREDIENTS PREBLENDED, INCLUDING CURING POLYMER, WATER REDUCER, DEFOAMER, SHRINK REDUCER AND WETTING AGENTS.

ALPHA

IMPORTANT INFORMATION

PACKAGING
20kg Bag

MIX RATIO
2.8kg - 3kg of chilled water per 20kg bag
Mechanically mix for 3-5 minutes.

FIBRE LOADING
AR Glass Fibres: 500 - 600 grams per 20kg bag
High Disperse Fibres: 50 grams - 100 grams per 20kg bag

CEMENTITIOUS BINDER
60%

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 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 GFRC SCC Premix with Iron Oxide
- Add 80% of water and blend
- Add remaining 20% of water and continue to blend until homogeneous.
- After initial blend, slowly add AR Glass Fibres / 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: Mixing too long or at too high a speed after AR Glass Fibre has been added can damage the fibre, resulting in placement issues and reduced strengths.

Casting Technique:
Alpha GFRC SCC Premix is a mix that consolidates with minimal mechanical force. This mix is cast directly into the forms, often without a face mix. This is a great method for rapid casting of flat panels. The key to success is keeping in mind that the glass fibres are just below the surface. Too much polishing and grinding on this mix will expose fibres in the surface. If processing is required, cast an initial 3mm layer without fibres to minimize possible appearance once processing has been complete.

Curing:
To ensure that concrete reaches its maximum potential, place a 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.
Note: Processing may expose fibres, plan your project and desired finish prior to casting your concrete.

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.

Domcrete
GFRC Countertop Supplies
Reorders or Enquiries, please call 1300 132 679