

GFRC Concrete Worktop Premix Kit Instructions

HOW TO CREATE A SELF-COMPACTING MIX

Equipment Required

1. Forced Action Mixer or Paddle Mixer
2. Suitably sized mixing vessel (1.5 to 2 times the mix size)
3. PPE Listed below
4. Bucket trowel or similar
5. Clean bucket to weigh out water

Personal Protective Equipment

The following Personal Protective Equipment is advised during the mixing and use of the Premix Kit;

- a. Gloves or Nitrile Gauntlets
- b. Eye Protection (goggles or glasses)
- c. Disposable Overalls
- d. FFP3 Dust Mask

Mixing Instructions

1. Empty the contents of the bucket into your mixer/mixing vessel. **DO NOT ADD THE FIBRES**
2. Weigh out 3.375Kg or 3.375 litres of water
3. Mix the dry powered ingredients without adding the water. **DO THIS ON A SLOW SETTING** to reduce dust dispersion. Mix for 2 minutes.
4. Add approximately 3/4 of the water
5. Mix for 15 minutes
6. After 15 minutes of mixing check the consistency of the mix. Signs that the mix is ready are as follows;
 - A. Air is bubbling up through the mix and bubbles are popping at the surface
 - B. When a trowel is run through the mix, the mix self-levels and closes up within seconds
7. Add more water in small quantities as necessary until the desired consistency is reached.
8. Take a small portion of the mix to pour into the mould for a fibre free facecoat. Spread this evenly over the base of the mould. for 1 metre square of concrete worktop this equates to 6kg of mix at a thickness of 3mm.
9. Add the fibres to the remaining mix and mix on a slow speed setting for as little time as necessary to ensure they are dispersed evenly throughout the mix.
10. Pour the mix carefully over the facecoat already applied and proceed according to the Basic Concrete Casting Instructions PDF.