



Fabric Formwork Specification **For Micro Concrete**

The fabric formwork should be supplied by an experienced supplier with similar relevant experience. The Contractor is to submit the following package of information for the approval of the Engineer in advance of preparation for the works.

- **The formwork system**
 - Layout and details
 - Fabrication details
- **Temporary works design**
 - Form calculations, etc
- **Manufacturer's installation guidance**
 - Including proposed micro concrete mix
 - Testing arrangements

The fabric forms should be purpose made suitable for their use in a porous fabric to ensure water is expelled. The opening size in the fabric, O_{90} should be less than the D_{50} size of the sand in the micro concrete mix to ensure micro concrete tightness.

The forms are to be engineered so that:-

- The pressure in the forms is controlled (by vent standpipes 1m high minimum for underpinning work)
- $SF > 4$ for underpinning and irreversible work
- $SF > 3$ for other works

The details are to suitably demonstrate pump filling of forms in tremie fashion, typically with filling from the bottom and venting from the top to ensure concrete quality is maintained.