

## SPEEDWELL MILL, DERBYSHIRE



## RENOVATION (UNDESIGNATED) - GLASSCRETE



Speedwell Mill is an (undesignated) 18th century cotton mill converted to tape weaving in the 1840s. Previously owned by the Wheatcroft family, who in 1879 expanded into Haarlem Mill. The two mills together employed 230 people and it was said that their weekly output of tape equalled the circumference of the earth. Both mills still exist, Speedwell Mill known as The Old Tape Works is now a private residence.

The existing damp concrete floor was dug up and excavated ready to install the breathable LABC registered Glasscrete (Limecrete) floor system. This was to prevent the old concrete floor from driving ground moisture to the perimeter walls causing damp issues.

The specification/build-up was as below:

- Excavated ground/sub-soil
- Geotextile membrane separation layer.
- 200mm of compacted GEOCELL foam glass gravel.
- Geotextile membrane separation layer.
- Geogrid to fix clip rails for underfloor heating pipes.
- Clip rails & underfloor heating pipes (supplied by others).
- Cork board perimeter insulation separating lime slab & perimeter walls.
- 100mm lime screed/slab, 1 part NHL5 to 2 parts sharp sand.