



# SPECIALIST CONCRETE & GROUT

Formulation & Mixing

**HOBEN**  
INTERNATIONAL LTD

[www.hobeninternational.com](http://www.hobeninternational.com)



Hoben International has over 25 years experience in developing formulations & contract manufacturing of specialist high performance cementitious and non-cementitious dry blends.



Hoben has extensive experience in controlling and blending materials with particle sizes from 10 microns to 25 mm in size, often with unusual, demanding, technical specification and performance requirements.

Hoben has a vast experience of formulating product specific add-mixes, as well as utilising COTS (Commercially Off The Shelf) solutions to control water demand, self compacting ability, modify viscosity and fluidity, all of which can be tailored to your individual requirements.



Hoben has the ability to handle bulk incoming raw materials in order to minimise cost and maximise efficiencies. Finished products can be supplied in a variety of formats including 25kg value sacks, 1mt FIBCs or Bulk Tankers.



Hoben's geographical location in the heart of England enables easy access to the UK's motorway network and also local access to key ingredients such as silica sands, limestone and cement all of which are available within a 20 mile radius.



# Facilities & Resources

Our onsite processing facilities include mineral crushing & grading, mineral milling, rotary drum blending, ribbon mixer blending, lightweight perlite aggregate production and various packing plants.



## Example product types that Hoben International formulate and/or contract manufacture include:

- Self Compacting Concretes
- High Density Concrete for Radiation Shielding Applications
- Rapid Setting Concretes
- Lightweight Concretes and Mortars
- Environmentally Friendly Alternative to Concrete used for Precast Lintels
- Underwater Grouts
- Self Levelling Floor Screeds
- Fire Proof Penetration Mortars (CE, UL, FM, BS Certified)
- Elastomeric Expansion Joint Mortars
- Tanking Powders
- Magnetic Plasters & Other Specialist Plasters
- Precision Casting Plasters

# Quality, Development & Testing

Hoben International puts quality & consistency first. Our highly trained and experienced Research & Development team made up of PhD Chemists and industry experts have a vast knowledge covering many industry sectors, truly excelling in technical concretes and grouts.

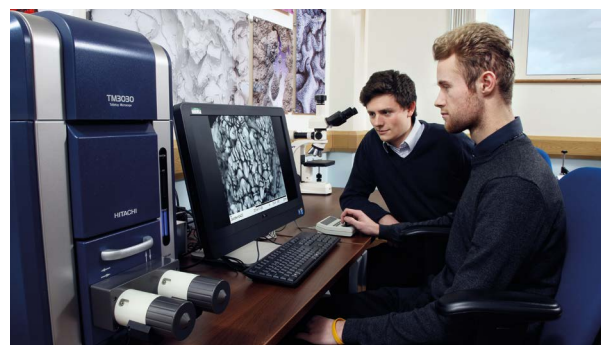
All raw materials and finished products are rigorously tested in line with our ISO 9001 quality management system. Examples of the analysis equipment that is used for product control and development is as follows:

- Scanning Electron Microscope (within UKAS accredited laboratory)
- X-Ray Fluorescence (XRF) Elemental Analysis
- X-Ray Diffraction (XRD) Analysis
- Differential Scanning Calorimetry (DSC) Analysis
- Ultrasonic and Thermal Setting Profile Analysis
- Wet & Dry Laser Diffraction Particle Size Analysis
- Thermal Expansion Analysis
- Compressive & MOR Strength Analysis
- Gas Flow Permeability Analysis

## Accreditations & Memberships

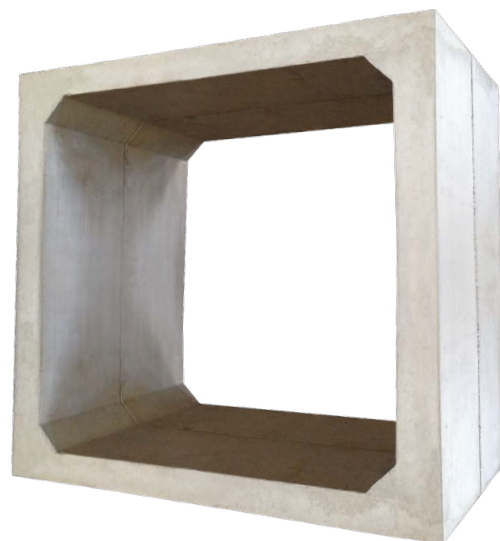
- ISO 9001, ISO 14001\* & OHSAS 18001\*
- Concrete Society Member
- Association of Precast Concrete
- London Underground Ltd

\*Due to be completed by August 2016.



We carry out testing and quality assurance on our cementitious blends, specified by our customers, in line with the relevant British Standards, including:

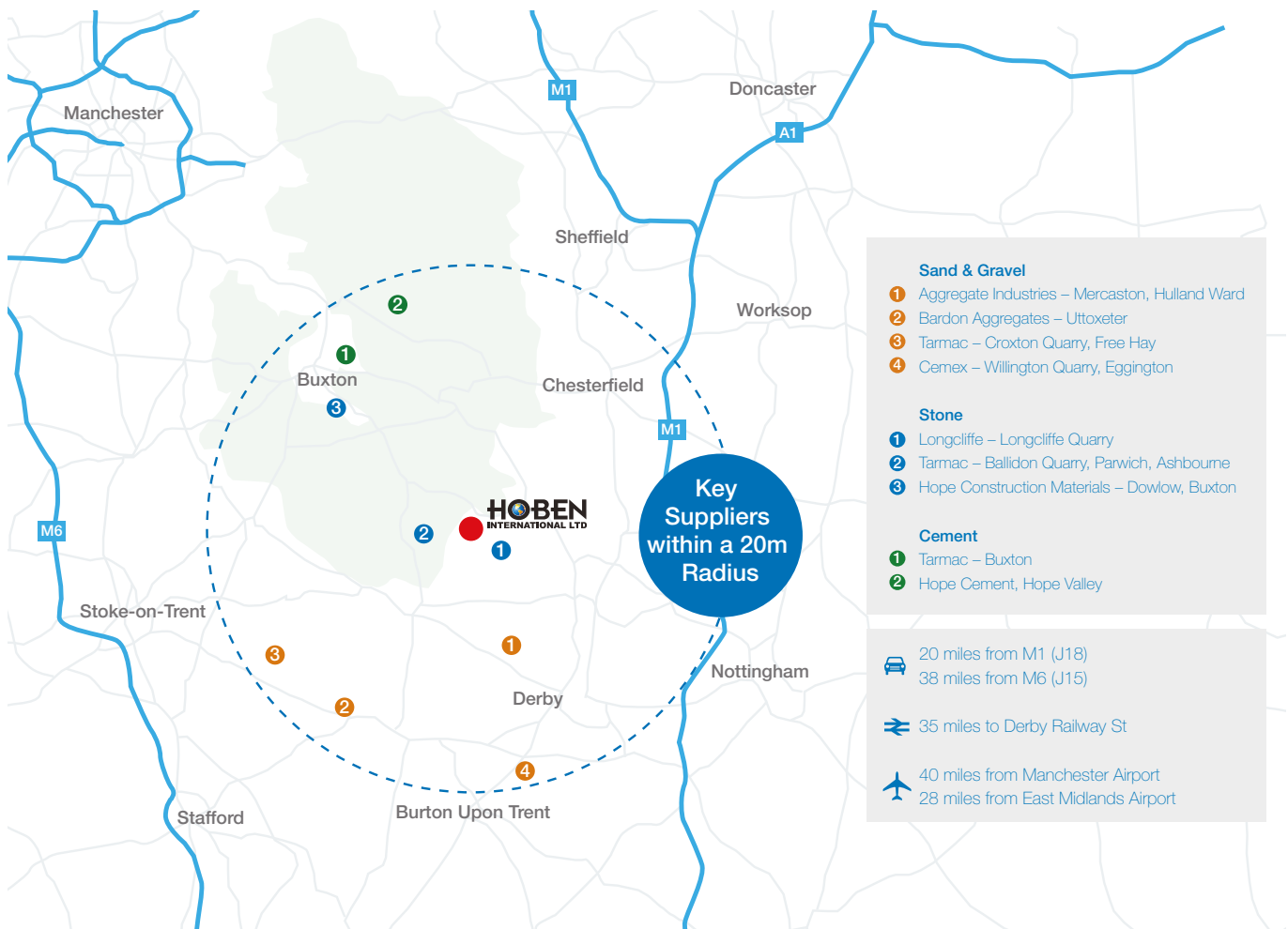
- Geometric Testing of Aggregates (BS EN 933)
- Mechanical & Physical properties of Aggregates (BS EN 1097)
- Thermal & Weathering properties of Aggregates (BS EN 1367)
- Chemical Properties of Aggregates (BS EN 1744)
- Concrete Slurry Slump / Consistence (BS EN 12350-2)
- Strength Testing of Cubes (BS EN 12390-2)
- Concrete Flow (BS EN 12350-5)
- Testing of Sprayed Concrete (BS EN 14488)
- Concrete Slurry Air Entrained Content (BS EN 12350-7)
- Self Compacting Concrete Slump Flow Test (BS EN 12350-8)
- Self Compacting Concrete V-Funnel (BS EN 12350-9)
- Self Compacting Concrete L-Box (BS EN 12350-10)
- Self Compacting Concrete Sieve Segregation (BS EN 12350-11)
- Self Compacting Concrete J-Ring (BS EN 12350-12)
- Vebe Test (BS EN 12350-3:2009)
- Degree of Compactability (BS EN 12350-4:2009)
- Steel Fibre Reinforced Concrete Strength (BS EN 14651:2005)
- Capillary Rise Test (BS EN 13057:2002 / BS EN 480-5:2005)
- Depth of Water Penetration Under Pressure (BS EN 12390-8:2000)



# Location & Contact

For further information on Specialist Concrete & Grout Formulation and Mixing information, please contact:

Dave Hazlewood  
Director & General Manager  
+44 (0)1629 541061  
dhazlewood@goodwingroup.com



Brassington Works, Brassington, Matlock, Derbyshire, DE4 4HF United Kingdom  
Tel +44 (0)1629 540201 Email [info@hobeninternational.com](mailto:info@hobeninternational.com)

[www.hobeninternational.com](http://www.hobeninternational.com)