We at LightBUILD Technologies offer our knowledge and specially designed equipment and on-site technical support to all forms of business in South Africa who would like to use our techniques to manufacture products or offer services using Lightweight Cellular Concrete technology.

We are exclusive suppliers of two leading manufacturing companies in Russian Federation. Our equipment is simple and reliable in operation that is why we are not afraid to give our customers 12 month guarantee on all units we supply.

### Foamed Concrete Manufacturing Plants

**MFCP -10** – Mobile Lightweight Concrete plant.  
Include 1 x 100l high-speed vertical concrete mixer, worm pump, foam generating unit, porosifier and control unit.  
Production capacity – up to 12m³ of foamed concrete per hour.  
Output densities – from 100 to 1000 kg/m³  
Supply voltage – **220V**  
Power consumption – 7 kW/h. Operation staff – 3.

**MFCP -15** – Mobile Lightweight Concrete plant.  
Include 1 x 150l high-speed vertical concrete mixer, worm pump, foam generating unit, porosifier and control unit.  
Production capacity – up to 18m³ of foamed concrete per hour.  
Output densities – from 100 to 1400 kg/m³  
Supply voltage – **380V**  
Power consumption – 12 kW/h. Operation staff – 5.

**MFCP -25** – Mobile Lightweight Concrete plant.  
Include 2 x 150l high-speed vertical concrete mixer, worm pump, foam generating unit, porosifier and control unit.  
Production capacity – up to 30m³ of foamed concrete per hour.  
Output densities – from 100 to 1400 kg/m³  
Supply voltage – **380V**  

### Aerated Concrete Manufacturing Units

**TCM-150** – 150l mixer is used to manufacture the aerated concrete on the construction sites.  
It weighs **155kg** and can be easily moved and transported to site. This unit is reliable and simple in operation.  
**TCM mixers supply concrete up to 10m in height and 40m in length.**  
Production capacity – up to 1.5m³ of foamed concrete per hour.  
Output densities – from 200 to 1000 kg/m³  
Supply voltage – **220V**  
Power consumption – 3 kW/h. Operation staff – 2.

**TCM-250** – 250l mixer is used to manufacture the aerated concrete on the construction sites. It weighs **225kg** and can be moved and transported to site.  
Production capacity – up to 3m³ of foamed concrete per hour.  
Output densities – from 200 to 1000 kg/m³  
Supply voltage – **380V**  
Power consumption – 3 kW/h. Operation staff – 3.

**TCM-250M** – 250l mixer modified to operate from 220V.  
Production capacity – up to 3m³ of foamed concrete per hour.  
Output densities – from 200 to 1000 kg/m³  
Supply voltage – **220V**  
Power consumption – 3 kW/h. Operation staff – 3.
*TCM-500* – 500l mixer is used to manufacture the aerated concrete on the construction sites or as a part of the stationary plant. 
Weight - 370kg.

Production capacity – up to 5m³ of foamed concrete per hour.  
Output densities – from 200 to 1000 kg/m³  

*TCM-1000* – 1000l mixer is used as a part of a stationary plant. 
Weight - 620kg.

Production capacity – up to 7m³ of foamed concrete per hour.  
Output densities – from 200 to 1000 kg/m³  

*TCM-1500* – 1500l mixer is used as a part of a stationary plant. 
Weight - 750kg.

Production capacity – up to 7m³ of foamed concrete per hour.  
Output densities – from 200 to 1000 kg/m³  

**Equipment for Lightweight Concrete Production**

*Foam Generating Unit FOMM-PGM* can be used in conjunction with any drum type concrete mixer or pan-mixer in order to manufacture lightweight foamed concrete. 
Features: Output up to 500 l/min; automatic foam dosing; manual foam density control; unit is able to work with both synthetic and protein foaming agents; it is simple and reliable unit.

*Concrete Mixer TVS* - a high-speed vortical concrete mixer that is used in the MFCP mobile plants.
Mixer can be used as a part of any precast concrete products manufacturing line where high speed of slurry production is necessary.
We supply 100l and 150l mixers.

*Water Dozing System*  
Designed to supply water to the concrete mixer in automatic mode in order to prepare the concrete slurry.  
The supply accuracy – 1l to every 100l supplied.  
System equipped by self-priming motor and a batching unit with the display.

*Foaming Agent*  

*Foaming Concentrate “Bio-Froth”* – a protein based foaming agent specially formulated to be used in the production and manufacture of foam concrete.  
Firm liquid film, good mechanical strength, not easy to burst or excessively deform under the slurry press.
The foam doesn’t appear or fall down for high-pressure pumping more than 100 meters.  
Manufactured in South Africa.  
Available in 25kg poly can, 200kg drum and 1000l flow bin.

For more information regarding our business, products and services or business opportunities we offer please contact Paul on (c) +27 82 828 6349, (t) +27 11 795 3079, (f) +27 11 794 4343 or email pauld@lightbuild.co.za