



TECHNICAL DATASHEET

MEDIUM DENSITY LIGHT WEIGHT FOAM CONCRETES

Propump Engineering provide a wide range of different mix designs between 800kg/m³ and 1200kg/m³. These foamed concretes are some of the most robust designs that combine both strength, as well as fluidity and tolerance to changing environments. Foam concretes can be tailored to suit different applications. In this range of densities, strengths can be had from 1N/mm² to 5N/mm².



Foamed Concretes between 800kg/m³ – 1200kg/m³ Make up a significant portion of our work at Propump, some 50,000 m³ have been poured in the last 5 years alone for projects such as Crossrail and the Northern Line Extension

Foamed concretes are excellent for projects that require mass infill of voids and are a good alternative to the usual crushed materials, by their nature they are self levelling, self consolidating and flow through small gaps and fissures. Foamed concrete material properties, coupled with our bespoke in-line pumping systems

APPLICATIONS

- Trench Reinstatement
- Large voids
- Mine shafts
- Basements and vaults
- Sewers
- Tunnel filling
- TBM Launch Medium
- Bridges
- Subway Decommissioning
- Tank filling
- Pipe filling
- Culverts

For More information CALL **+44(0)1322429900** Propump Engineering,
Foamed Concrete Specialists, DA1 4QN





TECHNICAL DATASHEET

MEDIUM DENSITY LIGHT WEIGHT FOAM CONCRETES

Medium density foam concretes that range from 800 kg / m³ to 1200 kg/m³ combine low and high cement mix designs that can be tailored to suit the application. Clients generally specify a foamed concrete to suit a given density, the nominal strength is 1 – 5 N/mm² however higher strengths are readily available upon request.

PROPERTIES

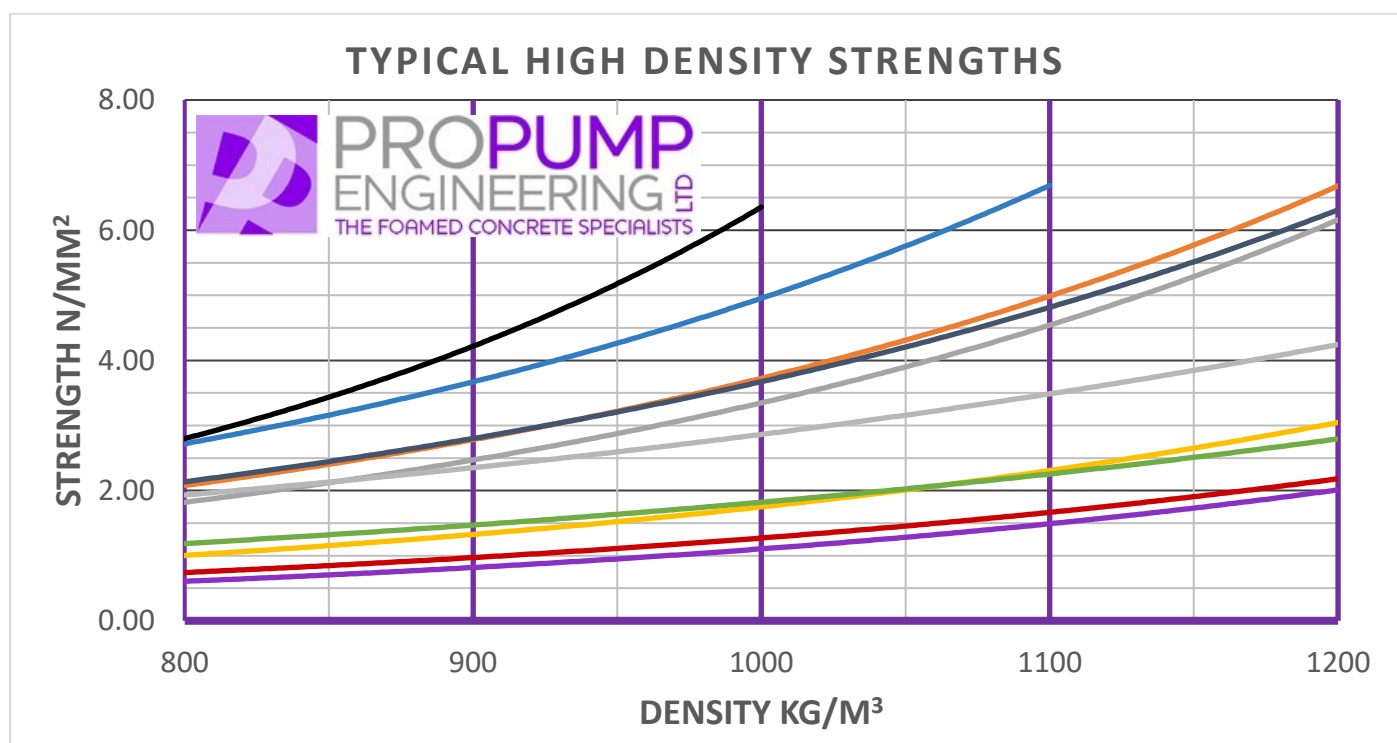
- Insulation Values as low as 0.25W/MK
- Easily re-excavate-able material
- Geo stable trench material
- Up to 2.5 X Fewer onsite deliveries
- Up 2.5 X less loading (than a traditional concrete)
- Lower curing temperatures

Strength and Density

Propump have the Experience, knowledge and ability to design and tailor a wide range of mixes to your requirements. New mixes can be designed, trialled and tested for use if so required. With over 10 individual mix profiles and 12,000 individual onsite results, our knowledge of foamed concretes is unrivalled

Typical Strength Range:	1N/mm² – 5N/mm²
Typical Density Range:	800 kg/m³ – 1200 kg/m³

Product Support	+44 (0) 1322 429 900
Email	Info@propump.co.uk





TECHNICAL DATASHEET

MEDIUM DENSITY LIGHT WEIGHT FOAM CONCRETES