



TECHNICAL DATASHEET

PROPUMP FOAMED CONCRETE

Propump Engineering are the UK's foremost manufacturer of foamed concrete; we are experts in the manufacturing, design, and on-site delivery of lightweight-foamed concrete materials. Our pump systems regularly manufacture over 300 cubic metres of lightweight foamed concrete in a single daily shift.

Propump Engineering are **The Foamed Concrete Specialists**, specifically the design, supply and, pumped placement of lightweight foam concrete for permanent void infill, pipes and culverts, abandonment, or temporary structures

APPLICATIONS

- Void Filling
- Sink holes
- Dean Holes
- Complex cavities
- Utility encapsulation
- Temporary works
- Subways
- Abutments
- Annulus
- Complex formworks
- Culverts
- Sewers
- Tunnels
- Mines
- Shafts
- Bridge Decks
- Piling platforms
- TBM launch Medium
- Vaults
- Basements
- Tank filling
- Pipe abandonment
- Gas Mains
- Trenches
- Bridge strengthening
- TBM encapsulation
- Headings



Characteristics

Foamed concrete is usually a pumpable, free flowing material, it requires no compacting and can be poured in layers of up to 1 metre in depth. Propump place foamed concretes that will search and encapsulate with ease. Foamed Concretes are, to an extent, self-levelling and will freely flow upwards of 30 metres. The characteristics of each different mix design can be modified to suit the application

Benefits

- Pumpable
- Reduced labour / manpower to place
- light weight
- self consolidating
- no vibration required
- insulating
- easily machinable / re-excavatable



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Strength and Density

Unrivalled range of mixes to achieve designed strengths and plastic densities. Propump have a large stable of tried and tested mix designs across densities. At propump we pride ourselves in quality and service. New mixes can be designed, trialled and tested for use if so required.

Strength Range:	1N/mm² – 10N/mm²
Density Range:	400 kg/m³ – 1800 kg/m³

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