

CELLCON™

CELLULAR CONCRETE



Flowable properties of cellular concrete

CONCEPT

- Duraset, market leaders in the mining industry, with the Durapak® cellular concrete pre-cast technology, is proud to introduce the concept of in-situ pumped cellular concrete (Cellcon™)
- Cellcon™ is typically manufactured from a cementitious slurry, consisting of mine tailings, cement, flyash, and water.
- It can also be supplied in a bagged pre-mix form.
- Cellcon™ is produced from a protein foaming agent to produce a cellular concrete.
- Cellcon™ properties can be tailored for different mining applications from ventilation control, underground cavity stabilization to strata control support systems.

FEATURES

- Insitu casting densities and material properties can be designed to meet individual customer needs.
- High compressive strengths relative to density
- High energy absorption properties.

APPLICATIONS

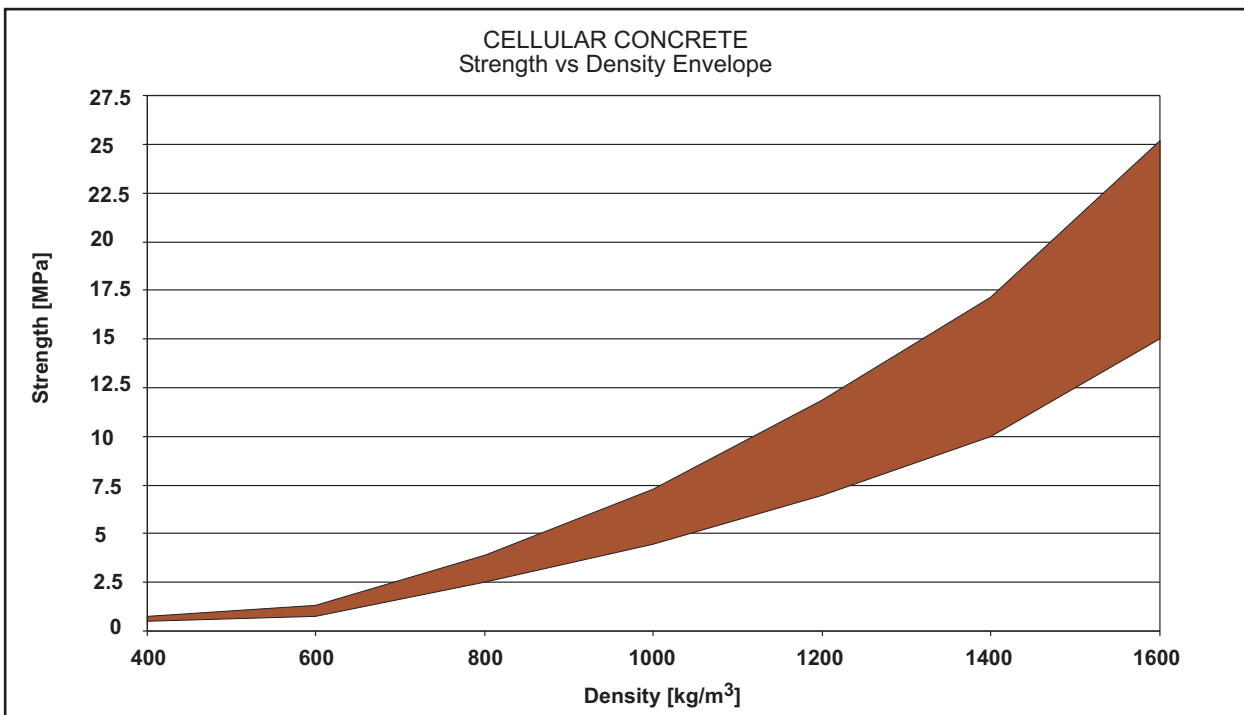
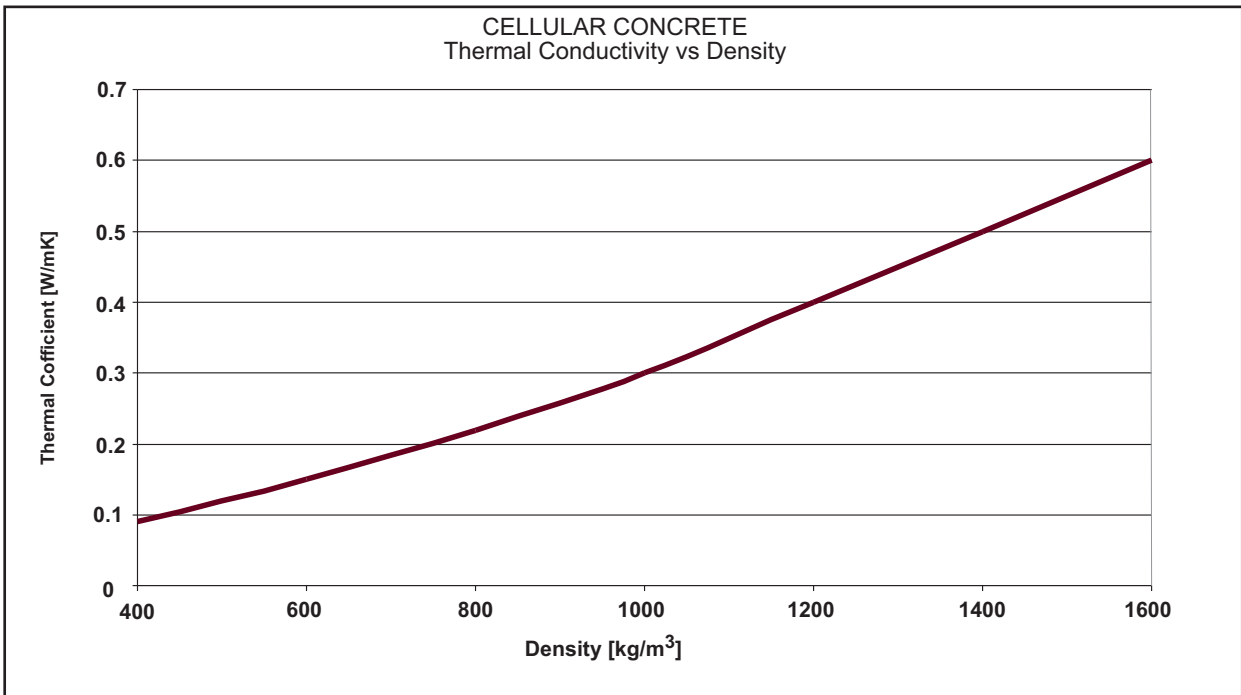
- **Ventset™** as ventilation paddocks for in stope ventilation control
- **Strataset™** as a support medium for strata control
- Cavity or void filling for ground stabilisation



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CHARACTERISTICS



- Lightweight (density range 400-1600 kg/m³)
- Low thermal conductivity (0.1 - 0.8 w/mK vs normal concrete 1.7 w/mK)

SABS
ISO 9001

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