

# Heidelberg Materials PowerSand CBS

## Technical data sheet

### Heidelberg Materials PowerSand CBS is a stabilised backfill as defined in ENA TS 97-1.

It is obtained from approved selected sources and chosen on the basis of density and cohesion characteristics to provide a maximum dry state thermal resistivity of 1.2km/W.

It is used in the installation of underground electricity cables due to its low thermal resistance.

### Benefits

- Keeps cables cool due to low thermal resistance
- Consistent for ease of use and ultimate performance
- National availability
- UKAS test certificates available if requested
- Meets or exceeds the requirements of ENA TS 97-1

Properties	Clause	ENA TS 97-1 requirement	Compliance status
Particle size distribution	6.3.2	Minimum 95% passing a 5mm sieve	Pass
Dry relative density	6.3.4	Minimum of 1.6mg/m <sup>3</sup>	Pass
Cohesion	N/A	Test to Annex C (P or F)	Pass
Voids Ratio	Annex H	Maximum 0.54	Pass
Thermal resistivity	6.3.3	Maximum 1.2km/W	Pass

For guidance on application and installation we recommend that the contractor follows the process outlined in 'Document ECS 02-0019 Installation of Underground Cables 0 LV to 132KV'.

### Further information

Contact [enquiries@uk.heidelbergmaterials.com](mailto:enquiries@uk.heidelbergmaterials.com)

**Further copies of this technical data sheet may be obtained from Heidelberg Materials UK**