

# Hanson PowerSand

## Technical data sheet

Hanson PowerSand is a 'selected sand' 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 2.7km/W. It is used in the installation of underground electricity cables due to its low thermal resistance.

- 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	6.1.2	Minimum 95% passing a 5.0mm BS sieve	Pass
Dry relative density	6.1.3	Minimum of 1.6mg/m <sup>3</sup>	Pass
Cohesion	6.1.4	Test to Annex C (P or F)	Pass
Thermal resistivity	6.1.1	Maximum of 2.7km/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'.