



Fischer GeoCompact®

Grouting material for geothermal probes, wells and underground engineering

- ✓ **Conforms to VDI 4640**
Thermal use of the subsoil, sheet 2.
- ✓ **Very easy to process**
Good-quality of product facilitates everyday work on the construction site easier.
- ✓ **Sulphate resistance**
Especially for geothermal drilling in case of sulphate-aggressive groundwater.
- ✓ **High productivity**
Economic grouting.
- ✓ **Thermal conductivity**
Thermally optimised with a thermal conductivity > 1.40 W/mk.
- ✓ **Frost resistance**
According to DIN 52104.

Fields of application

Fischer GeoCompact® has been specially developed for the backfilling of geothermal probe drillings. The material is also suitable for locations with sulphate-aggressive groundwater. All other sealing and backfilling work in the wells and underground engineering can be carried out safely.

Suitable area of application	Can be used in any surface.
Mixing ratio	12.0 l of water: 25 kg of Fischer GeoCompact® for compulsory mixers or 25.0 l of water: 25 kg of Fischer GeoCompact® for colloidal mixers. Pay attention to the precise water proportioning.
Processing time	Process quickly after mixing.
Processing temperature	Can be processed from + 5 °C to max. + 25 °C
Consumption	750 kg of Fischer GeoCompact® per m ³
Productivity	1520 l/t
Marsh funnel time	62 sec.
Suspension density	~ 1.5 kg/dm ³
Effective thermal conductivity	1.40 W/mk (set backfilling compound)
Compressive strength	> 4.0 N/mm ²
Water permeability-coefficient kf	< 10 ⁻⁹ m/s
Tools / Equipment	Fischer GeoCompact® can be mixed to a pumpable suspension after adding clean water in the standard mixing systems. The mixing time depends on the mixer, but should be selected until a uniform consistency is achieved.
Storage	Can be stored for approx. 4 months in the unopened original container on a pallet.
Delivery form	25 kg sack /42 sack per Euro pallet + Big Bags
Notes about your safety	Contains cement, highly alkaline on reaction with moisture/water, therefore protect skin and eyes. In case of contact rinse thoroughly with water. In case of eye contact, consult a doctor. Not subject to classification according to the Ordinance on Hazardous Substances. Please note the safety data sheet for Fischer GeoCompact®.
Disclaimer	The above specifications are applicable for the tests under laboratory conditions with the usual metrological tolerances. These tests were carried out to investigate the suitability of the products with regard to the field of application. They are non-binding and do not release the recipient of the declaration from its own tests and trials. As a result of the absence of features and/or properties, we do not accept any responsibility; nor it is possible to derive any claims for compensation.