STÜWA Konrad Stükerjürgen GmbH
Hemmersweg 80
33397 Rietberg - Varensell

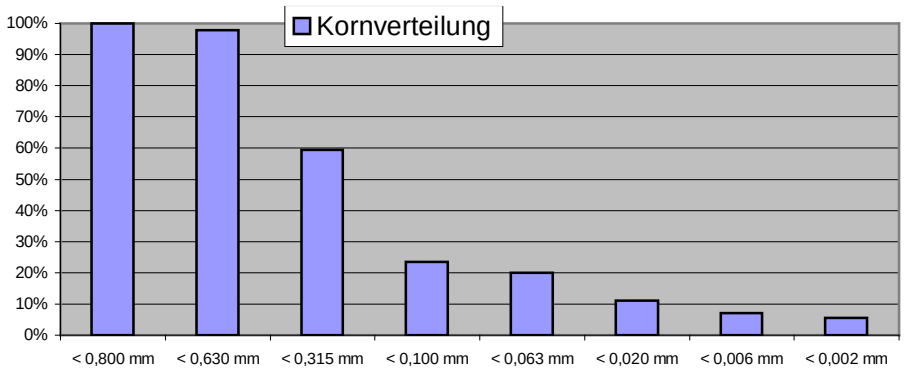
Tel. 05244-407-0 Fax 05244-1670
info@stuekerjuergen-konrad.de
www.stuekerjuergen-konrad.de

STÜWATHERM â

Product characteristics:

- high heat conductivity (2,0 W/mK) thanks to grain size and natural additives. In this product observations from soil mechanic (porosity, grain structure) were combined with principals of conductivity.The sealing of most pores leads to less isolation and consequently to higher conductivity.
- Grain size <0,8 mm (max. 1mm is possible); graded quarz grain, sieved and remixed. Addition of a special clay mixture. – Improvement of tixotrophen characteristics.
- Chemical hazard free certification available
- Colour: white, brownish; is supplied with minor water content
- Clay portion: 25-30%. Clay is added to improve cohesiveness of water.
- The following mixture makes 1m³ of injectable suspension: Add 1000 Kg of STÜWATHERM to150 Kg of cement and 650 l of Water. The suspension maintains its consistency even by adding more water to the suspension thanks to the cement.

Grain size	percentage
< 0,800 mm	99.9%
< 0,630 mm	97.8%
< 0,315 mm	59.4%
< 0,100 mm	23.5%
< 0,063 mm	19.9%
< 0,020 mm	11.0%
< 0,006 mm	7.0%
< 0,002 mm	5.5%



Advantages:

- Applying STÜWATHERM at installation of geothermal systems reduces the power consumption of the heat exchanger. The annual figure rises from 3.5 to 3.8-4.0. This means 10-15 % energy saving.
- The temperatures do not drop that low at equal extraction and maintained geothermal system length this means that eventually one can scip antifreeze.

Remark:
The application of the material is designed for optimum operation, where the temperatures of the circulated media is above freezing point.

Delivery: packed in big bags (approx. 1 ton) or in 25 kg sacks