



Technical data sheet - TERRAfüll

Application

TERRAfüll is used as a backfilling material for foundation construction and for earth drilling work. TERRAfüll hardens when water is added to it and reaches its final hardness after 28 days.

TERRAfüll must not be used as the sole backfilling material for ground heat sensors. It may only be used for this application if the ingredient specifications of VDI 4640 are satisfied (for example mixture of TERRAfüll, clay minerals (for example TERRAquell), quartz sand and water). The ready-mixed pressing material Calidutherm® is more suitable for use as the sole pressing material for ground heat sensors.

Usage

At the place of use, TERRAfüll is mixed with water to produce a suspension that flows and can be pumped. TERRAfüll is mixed in a forced mixer until it is completely dissolved. The ready-metered water placed in the vessel and the corresponding quantity of TERRAfüll is added whilst the mixer is running.

Mixing ratio

Ratio Water : TERRAfüll	Suspension density [kg/dm ³]	MARSH time [sec]
0.6	1.7	46 – 56
0.7	1.6	32 – 42

Material details

TERRAfüll is made of Portland cement and ground limestone.

Properties for health and water protection

TERRAfüll contains only natural ingredients. It complies with the specifications of TRGS 613 and DIN EN 196-10 of < 2ppm in soluble Cr VI. This means that TERRAfüll can be described as low in chromate.

The safety data sheet that complies with 91/155/EEC contains all the relevant features that are exclusively characterised by the content of Portland cement contained in the product.