

RSS Flüssigboden

RSS Flüssigboden is a variable, temporary flowable backfill material – producible from almost every type of excavated material.



Applications

RSS Flüssigboden(R) is universally applicable: for backfilling of trenches in the construction of sewers or supply lines, for filling and backfilling of buildings cavities, cellars, work spaces, and tunnels, or as problem solver for building sites with high material requirements. The opportunity to alter the properties of RSS Flüssigboden® systematically results in even more flexibility.

PATENTED



No compaction required – narrow construction sites with no full closures required



Floating pipe laying

Advantages

- durable grids thanks to optimum bedding properties
- reduction of masses
- reduction of construction time and required space
- conservation of resources (environment, construction costs and follow up costs)
- application of new technologies
- meets the requirements of environmental law in relation to soil, groundwater and immission control

Properties according to requirements and source material

- temporarily flowable
- self-compacting
- no settlement
- can be overbuilt quickly
- mechanically removable
- defined properties through quality management
- pumpable
- homogeneously with properties which are largely similar to the original soil properties
- damping effect when exposed to dynamic loads
- simple production and handling eg with RSS system technology
- re-use of almost every excavated material possible
- compatible with all conventional pipe materials

Technical Data

- depending on the source material and requirements
- typical q_u value after 28 d: 0.08-0.3 N/mm²
 - typical bulk density: 1.5-2.0 kg/dm³
 - typical EV2 value after 28 d: > 45 MN/m²
 - typical k_f value after 28 d: 1.00E-07 m/s to 1.00E-09 m/s
 - environmental and water soundness according to expert's report

If required, the properties can be adjusted within limits.



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