

RSS® Flüssigboden as foundation slab

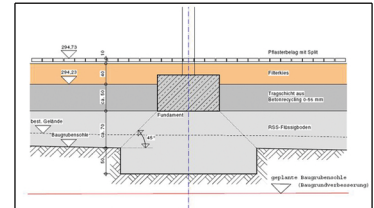
Soil improvement with RSS® Flüssigboden as load-distributing foundation slab

The challenge

Starting-point: Placement of RSS® Flüssigboden as soil replacement for poorly load-bearing subsoils to optimise the load-bearing capacity, in particular absorption of the permissible base pressures of the outer pillars or surrounding foundations. The comparative value to the permissible base pressure is the unconfined compressive strength.



Technology of a foundation slab with RSS® Flüssigboden



Construction project

Project: Rheinfelden,
Garden centre

Producers

Bau GmbH,
Herrischried

Construction period

2011

The solution

Backfilling with RSS® Flüssigboden with defined properties.

Properties of RSS® Flüssigboden

- increased strength and load-bearing capacity in accordance with technical planning specifications here: unconfined compressive strength $> 0. \times \text{ N/mm}^2$
- vibration damping when exposed to dynamic loads
- settlement-free and self-compacting
- quickly resistant to loads
- no compaction works required and therefore no vibrations occur