# Production of RSS Flüssigboden® in complex soil conditions

General

Mechanically well-prepared source material is the basic require-ment for the production of RSS Flüssigboden®. If the source soil is not homogeneous, it it necessary to process as a first step. The tolerance range for slump and inherent moisture content given in the mix design are decisive for mechanical processing require-ments. If compliance with these tolerances is not possible, the source material must be further processed, eg by means of shovel separator. ATTENTION: the mechanical processing can be a complex and thus cost-intensive factor in the production of RSS Flüssigboden®. If necessary, talk to your technical planner or a FiFB staff member beforehand. If the source material as a whole is not to be considered as granular, or if there are strongly cohesive areas, then the source material should be activated with RSS PROVIACAL RD during homogenisation.

From a heterogeneous to a homo-geneous source material (bottom right)
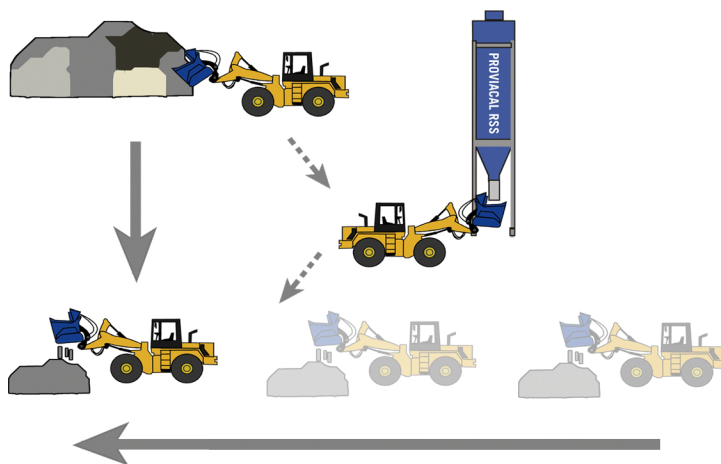
Processing of daily quantities of source material

Advantages

- Processing of cohesive soils possible
- Ensuring homogeneous, flowable source materials
- Mix design adjustment on site
- Testing institute accredited by RAL
- External monitoring person accredited by RAL
- Successful application of RSS Flüssigboden® made from cohesive source materials on numerous construction sites

Use of daily mix designs

If, due to complex soil conditions, daily mix designs are developed from subsets of the excavated soil, a close and intensive cooperation between FiFB and the producer is required. In advance of the construction project, targeted preparatory work is necessary, including soil identification and the development of multiple mix designs, depending on the local soil.
More information can be obtained from technical planning or from FiFB staff.

Data

- typical tolerance inherent moisture: 2%
- typical tolerance diameter of flow: ±2cm
- typical amount of mix designs in advance: depends on the local soil types

If required, the properties can be adjusted within limits, but they are dependent in particular on the set values.

RSS Flüssigboden® entspricht den Anforde-rungen des RAL-GZ 507

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