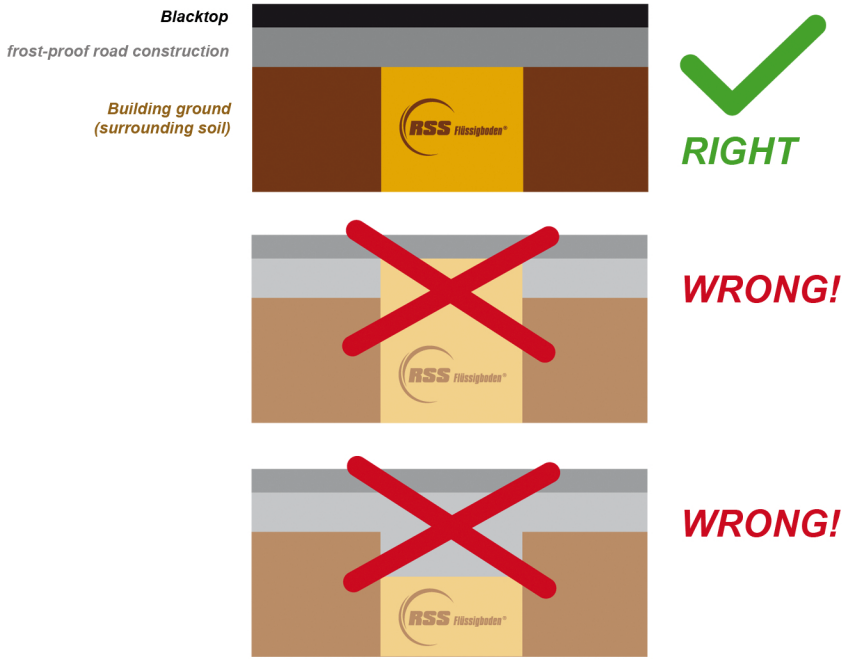
Information on avoiding frost damage in the road substructures when using RSS Flüssigboden®

General

After fixation, RSS Flüssigboden® has soil-like properties again. RSS Flüssigboden® is usually produced from non-frost-resistant soils. This must be taken into account when designing the road structure. Special requirements regarding the necessity of the placement of liquid soil in the frost penetration area must be agreed with a technical planner or us before the start of construction, as in such cases deviations from standard construction methods are involved.

Correct road structure for backfilling with RSS Flüssigboden®

Usually, a frost protection layer is placed on RSS Flüssigboden®. The thickness depends on the road class, the construction class and the frost zone and must be dimensioned in accordance with the relevant regulations. If the asphalt or concrete surface is built directly on RSS Flüssigboden®, this can lead to lifting during the frost period. Such an application is to be clarified with your technical planner or us beforehand, since it deviates from the standard construction method. Overly dimensioned frost-proof structures can also be harmful, especially on cohesive subsoils, as water collects in the deep spots. In the event of frost, damage can occur above these deep spots. Ideally, the existing earthwork planum is restored with RSS Flüssigboden®, on which the frost protection layer is then built up in its original thickness, so that a continuous homogeneous construction is created again.



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