



Text modules: call for tender of Stabilizer binder® surfaces

Mineral road surfaces with original natural binder

The text below serves as an example and must therefore be adapted or modified to meet the respective requirements.

Preliminary remarks

In the preliminary remarks regarding the service description the following points should be agreed upon and/or considered:

- FLL "Technical Report on the Planning, Construction and Maintenance of Waterbound Surfaces" as Additional Technical Contract Terms.
- If applicable, references to restricted or difficult access or installation conditions
- All base layers in the area of the waterbound surfaces must meet the requirements regarding water permeability according to the "FLL Technical Report on Planning, Construction and Maintenance of Waterbound Pathways (2007)".

Part A) Base layers and Stabilizer road surfaces

1.1 Basic position

Gravel/crushed stone base layer according to FLL technical report

Gravel or crushed stone base layer according to

FLL Technical Report "Waterbound Pathways",

Grit 0/45 or 0/32 mm,

Frost resistance category F1-F4,

Fine grain < 0.063mm: < 5 % relative to the delivered grain size,

Install and compact according to profile.

Layer thickness in compacted condition: cm (to be inserted, depending on total thickness)

Deformation module EV2: ≥ 80 MN/m² (100 MN/m² for driving surfaces)

Compaction degree D Pr: ≥ 97 %

Water permeability (k value): ≥ 360 l/m² x h

_____ m²

1.2 Optional basic position (recommended)

Dynamic layer according to FLL technical report

Dynamic layer of crushed stone and crushed sand mixture

according to the FLL technical report "Waterbound Pathways",

Grit 0/22 or 0/16 mm,

Frost resistance category F1-F4,

Fine grain content < 0.063mm: < 7 % when installed,

Install and compact according to profile,

Layer thickness in compacted. Condition: 6 cm

Max. Unevenness on 4 m measuring distance: < 1.5 cm

Deformation module EV2: ≥ 80 MN/m² (100 MN/m² for driving surfaces)

Surface shear strength: ≥ 50 kN/m²

Water permeability (k value): ≥ 36 l/m² x h

_____ m²



1.3 Basic position of the road surface Stabilizer binder®

Waterbound top layer with Stabilizer binder®

Stabilizer top layer

according to foundation profiles of roads and squares

from a mixture of crushed stone and crushed sand from hard rock or hard lime,

Variety/color(please indicate imperatively after consultation with Stabilizer 2000 GmbH)

Grit: 0/5 or 0/8 or 0/11 mm according to manufacturer's specifications

Frost resistance: Cat. F1-F4

Percentage of fine grain < 0.063 mm: 13-18% (for limestone possibly less)

proportion of binder: 6 kg/to

Mixes homogeneously and earth-moist in a suitable mixing plant.

Layer thickness in compacted condition: 4 - 6 cm

Max. Unevenness on 4 m distance: < 1.5 cm

Water permeability (k value): $\geq 3.6 \text{ l/m}^2 \times \text{h}$

Surface shear strength: $\geq 50 \text{ kN/m}^2$

Pre-compacting earth-moist by static rolling,

One-time watering/soaking of the entire surface layer (approx. 80-160l/to)

Recompacting after waiting time earth-moist by static rolling,

Roller weight approx. 1.0-2.0 to. Cover must dry 1 x before release.

Proof of delivery:

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1.4 Required position

Re-compacting of the surface's top layer

Hydraulically bounded top layer with the binder agent Stabilizer binder®.

Re-compacting by rolling without vibration in the earth-moist state.

Cylinder weight approx. 1.0-2.0 to.

Time: approx. 5-20 days after installation.

Implementation only after specific instruction given to the customer

(for example, if the top layer does not dry out due to weather conditions after 1-2 weeks).

(_____ m2)