

System Data Sheet

Barrikade Steindekke**Barrikade®**

Natural stone coating for outdoor areas

System description

Barrikade Steindekke is a seamless polyurethane based natural stone coating for outdoor areas. The system consists of cleaned and dried natural stones embedded in a pigmented polyurethane binder that gives an attractive, safe, wearable and maintenance friendly surface.

Barrikade Steindekke is supplied in a range of various natural colours and stone qualities, with a matching binder colour. For walkways rounded stones are recommended, for traffic areas natural stones with good abrasion resistance is recommended. The system can be delivered in a wide range of different stone sizes.

Recommended areas

Barrikade Steindekke is intended to be used in areas such as driveways, entrances, parking lots, walkways, bicycle lanes and pavements.

For areas where a snow ploughs are used during winter, stone size above 3 mm is not recommended.

The system can be used to create an attractive outdoor environment for prestigious buildings, public homes and municipal areas.

Properties

Barrikade Steindekke has good adhesion to most substrates. The substrate must be solid and there must be sufficient drainage. The system can be used on new and old asphalt, concrete, steel and wood.

The coating is not affected by frost in itself, but will follow deformations in the substrate if it is not stable.

Barrikade Steindekke is meant to create the impression of natural stone, and not a perfectly and even "floor like" surface.

Barrikade Steindekke is hard wearing and requires a minimum of maintenance. The coating is kept clean by rain water. For a thorough cleaning high pressure cleaning is recommended. For removal of heavy stains, a treatment with an emulsifying degreaser followed by high pressure cleaning is recommended.

Walkways will have a lifetime of 10-20 years, traffic areas 10-15 year, before a renovation is required. Renovation will be application of a new layer of stones.

System application

Existing asphalt must be cleaned. New asphalt and very porous asphalt must be treated with A 1:1 mix of Steindekke binder and quartz sand. This will prevent the binder to migrate into the asphalt. Priming is required for concrete surfaces.

The binder is delivered in two components that must be mixed with a mechanical mixer. The binder is distributed on the surface with a distance rake to obtained required thickness.

The coating is then broadcast until full saturation with natural stone. Surplus stone is brushed away just after the coating has cured, and repeated frequently the first few weeks.

Recommended installation temperature
5 – 30 °C.

The surfaces must be dry before installing the coating.

Rainfall 2-3 hours after installation will not affect the final result.

**Technical data**

Stone size	Binder kg/m ²	Natural stones kg/m ²
1 – 3 mm	1,8	7 – 8
2 – 4 mm	1,9	10 – 12
2 – 5 mm	2,0	12 - 14

Pot life at 20⁰ C – 15 minutes
Curing time 18⁰ C –5-6 hours

For repairing cracks and damages, we recommend a 1:1 mix of binder and quartz sand.

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