StabilRoad® process consists of 6 steps

1. We perform soil laboratory tests, we explain the precise composition of the soil, the amount of cement needed and the amount of StabilRoad® additive
2. On existing soil, cement and StabilRoad® additive are applied
3. The soil stabilizer mixes the entire soil with cement and StabilRoad® and adds the required amount of water during mixing
4. The cross-linked soil is compressed by the rolling method and the top layer is levelled and smoothed with a grader
5. Final compression is completed
6. Depending on the weather conditions the stabilized surface is sprayed with water, to ensure the required humidity in the hardening process

During the operation of stabilized soil, quality control is performed and the results of laboratory measurements are presented

NB! The precision of the German manufacturer’s technology is closely monitored. All work is subject to technical supervision. Stabilizing the soil with StabilRoad® technology helps to increase the strength of the weathered soil, make it moisture-proof and frost-resistant. It is suitable for stabilizing all types of soils (including clay, old asphalt, etc.). Depending on the soil screen curve, it may be necessary to add fines in some cases.

StabilRoad® advantages

• High quality control of the product by German specialists
• The product is made of natural materials
• Accelerates the cement hydration process
• Improves stabilized soil cover properties
• Homogeneous composition of the product, which allows to control the chemical reaction
• Extremely high compressive strength and coherence of compounds
• Eliminates the development of expansion fractures

Our technology, which has justified itself for many decades, has been used in the Netherlands, Germany, Switzerland, Sweden, Poland, Estonia, Russia, India, Malaysia, Brazil and Canada.

StabilRoad®

+3725048088 | stabilroad@stabilroad.ee

Stable and durable

Proven technology
Rapid process
Quality control

www.stabil-road.com

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Today StabilRoad® is one of the most advanced and technologically most innovative materials and technologies in the world. StabilRoad® technology has been developed in Germany and has been used for nearly 20 years in most of the world’s climate zones. StabilRoad® technology is used in Europe, Scandinavia, Russia, India, the USA and many other countries. The most important feature of using the StabilRoad® additive and special technology is that we can significantly accelerate the construction process by reducing the cost of work, at the same time achieving a stable, durable and long-lasting surface. Some hours after the necessary work has been done, the treated surface is ready to be used. Depending on the field of application, a protective layer of coating or asphalt may be necessary.

If you want to do it again and again, year by year, filling and filling and levelling surfaces?
Do you plan to build a new road, improve existing roads, build a car park or a warehouse?
Do you want to do it all in one go to save money?
Do you plan to build a new road, improve existing roads, build a car park or a warehouse?
If so, StabilRoad® is your right choice!

StabilRoad® technology is scientifically proven

StabilRoad® is a cement additive which chemical effect is to increase the cement hydration processes. Cement hydration is a chemical process in which cement particles by reacting with water form new related compounds, which make up a concrete skeleton. As a result of crystallization, water-insoluble compounds are formed, making the treated layer non-water-absorbing. By increasing the cement hydration the amount of cracks caused by volume reduction decrease. At the same time the elasticity, compression and tensile strength of the stabilized layer increases and becomes cold-and moisture-resistant. In its properties the stabilized layer can be compared with concrete. The stabilized material has a compressive strength of 3-15N / mm². It also has a very high load capacity, durability and compression strength, while maintaining high elasticity.

StabilRoad® provides an ecological advantage

StabilRoad® technology gives a very high ecological advantage over traditional road construction. As a result less energy is consumed, the amount of harmful exhaust gases to the surrounding environment is reduced due to the removal and reloading of filler surfaces. The negative public response resulting from the high-volume transport of huge inert materials will decrease as the stabilized surface is ready for traffic within 4-6 hours after completion of the work. Financial economy compared to traditional road construction up to 30% and time saving up to 40%.

**StabilRoad® provides a stable substrate**

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**StabilRoad® meets all the necessary requirements**

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<thead>
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<tbody>
<tr>
<td>112 rides</td>
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<tr>
<td>2560 tons</td>
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</tr>
<tr>
<td>1300 tons</td>
<td>0 tons</td>
</tr>
<tr>
<td>7000 liters</td>
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<td>3225 CO₂/km</td>
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**StabilRoad® saves you time and reduces costs**

- Recycling and re-use of local soils and materials provides multiple economy
- Expenses related to excavation, importation and utilization of soil are excluded or minimized
- There is little or no significant need for the purchase and transport of inert aggregates
- The thickness of superficial stabilizing layers is significantly reduced compared to classical stabilization
- The frost resistance of the superficial layers is significantly increased
- Significantly accelerates the construction process
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