BEKAERT

better together

Fortifix®

A revolutionary steel-based interlayer for road renovation

Renovating roads was never easier, faster and more durable than with Fortifix® anti-reflective cracking interlayer.

This advanced steel cord product is the newest addition to our asphalt reinforcement range. While Mesh Track®, our key product, provides structural reinforcement; Fortifix® is intended for non-structural road renovations.

Thanks to the unique balance of high stiffness and optimal elongation, Fortifix® provides excellent anti-cracking properties to the road surface as well as many other advantages in terms of execution, durability and recyclability. The stability of the interlayer is further increased by the use of a plastic grid or non-woven carrier.

Discover the benefits

Easy to install

Fortifix® can be easily rolled out, either manually or automatically, on a tack coat or in combination with a SAMI.

The steel cord and the carrier combination enable a fast and correct installation on both rough and smooth surfaces.

Easy to recycle

Fortifix® is 100% recyclable.

Thanks to an innovative treatment of the cords, the structure can be easily milled and be completely separated from the asphalt.

More durable

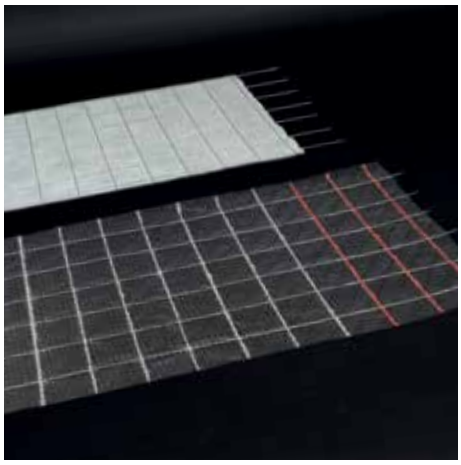
Fortifix® significantly increases the stability and the durability of the asphalt overlay.

This is the result of the material's ability to retain its high stiffness and optimal elongation even after installation.

Excellent adhesion properties

The structure of fine longitudinal and transversal steel cords features excellent interlocking properties.

In combination with the carrier, this results in perfect adhesion to the new asphalt overlay.



Bekaert is a world market and technology leader in steel wire transformation and coating technologies. To be the preferred supplier of steel wire products and solutions, we consistently deliver superior value to our customers worldwide. Bekaert (Euronext Brussels: BEKB) was established in 1880 and is a global company with approximately 30 000 employees worldwide.

Experienced based technology

By combining our knowledge of classic asphalt reinforcement products like Mesh Track®, and our ability to create advanced steel cord solutions, we were able to extend our product range with an interlayer for non-structural renovations. Fortifix® is a prime example of a solution based on decades of experience, customer feedback and extensive testing.

Designed to be stronger

The design of Fortifix® has been fine-tuned and proven through a series of finite-elements simulations (FEM) and performance tests such as 3-point bending tests, horizontal-plate tests, and adhesion tests. The tests showed that the unique 3D structure of fine steel cord mesh displays excellent interlocking properties to both the existing pavement and the new asphalt overlay. The interlayer features high tensile stiffness and low elongation, resulting in high-modulus material that enables stronger, longer lasting asphalt roadways.

Discover our range

There are two types of Fortifix® available with two types of carriers.
More technical information check out our data sheet.

Fortifix type/carrier	Fortifix® 1	Fortifix® 2
O- plastic grid	**Fortifix® 1-O:** tensile strength 42x54 kN/m, stiffness 3900 x 2900 kN/m	**Fortifix® 2-O:** tensile strength 31x32 kN/m, stiffness 2300x2300 kN/m
C- nonwoven	**Fortifix® 1-C:** tensile strength 42x54 kN/m, stiffness 3900 x 2900 kN/m	**Fortifix® 2-C:** tensile strength 31x32 kN/m, stiffness 2300x2300 kN/m

Contact us

Discover the advantages of **Fortifix®**

Go to
www.bekaert.com/fortifix

For all your technical and product related questions:
infobuilding@bekaert.com

Why choose Bekaert?

We reinforce your future

Durable products

Bekaert develops and produces high quality, steel wire building materials that meet the needs of the present day construction industry. These solutions aim to lower the total cost of ownership and construction time, and increase safety and durability of structures.

Technological diversification

Bekaert is active in many different industries. We regularly develop new technologies and products that go beyond the trends in the building industry. These include: new specialized production processes for steel cords, high strength steel fibres and a wide range of advanced materials and coatings.

Proven technology

Bekaert invests heavily in the quality and efficiency of its building materials. Engineers and universities all over the world investigate and test the possibilities of our new products, proving their efficiency in a myriad of building and renovation projects.

Modifications reserved.
Unless otherwise indicated, all trademarks mentioned in this brochure are registered trademarks of NV Bekaert SA or its subsidiaries.
© 2017 Bekaert

BEKAERT

Responsible editor: Frederik Vervaecke - May 2017