

 **BEKAERT**

better together

Fortifix®

Steel-based interlayer for asphalt road renovation

Benefits

- ① Easy to install
- ② Easy to recycle
- ③ More durable
- ④ Excellent adhesion

Renovating roads was never easier, faster and more durable than with Fortifix® anti-reflective cracking interlayer. The advanced steel cord structure is delivered on a synthetic carrier to provide optimal stability. The unique balance of high stiffness and optimal elongation of the interlayer itself, provide excellent anti-cracking properties to the road surface as well as many other advantages in terms of execution, durability and recyclability.

Discover our range

There are two types of Fortifix®:

Fortifix® 1-C

- tensile strength 42x54 kN/m
- stiffness 3100 x 2900 kN/m

Fortifix® 2-C

- tensile strength 31x32 kN/m
- stiffness 2900x3900 kN/m

For more technical specification check out our datasheet.



Why choose Bekaert?

Experience in the construction industry

Bekaert is a world market and technology leader in steel wire transformation and coating technologies. Active in many different industries, we have more than 40 years of experience in producing building products. From tiny steel fibers for concrete structures to high-tensile steel cord mesh for masonry, Bekaert has a leading position as producer of steel reinforcement products.

Proven technology

To maintain our position of technological leader we invest heavily in R&D. We work closely with engineers and universities all over the world to investigate and test the possibilities of our new products and prove their efficiency in a myriad of building and renovation projects. It is this combination of experience and technical know-how that gives us the flexibility to develop, produce and sell high quality reinforcement solutions that meet the needs of the present day construction industry, in which speed, total cost of ownership, safety and durability are of crucial importance.

Designed to be stronger and easier to use

Discover the advantages of Fortifix® anti-reflective cracking interlayer:

- ① **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.
- ② **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.
- ③ **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.
- ④ **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.

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.

Proven performance

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.



Contact us

More
Information?

www.bekaert.com/fortifix
infobuilding@bekaert.com

Modifications reserved
All details describe our products in general form only. For ordering and design only use official specifications and documents. Unless otherwise indicated, all trademarks mentioned in this brochure are registered trademarks of NV Bekaert SA or its subsidiaries.
© Bekaert 2017

Responsible editor:
Frederik Vervaecke - October 2017