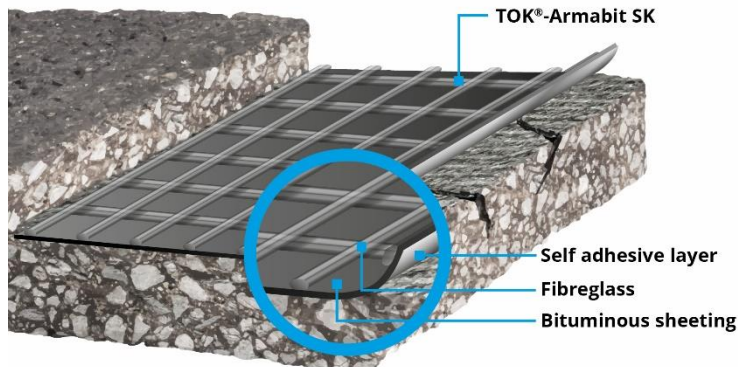


TOK®-Armabit SK

Product information



Special advantages:



High tensile strength
- 100 kN/m in longitudinal and transverse directions



Self-adhesive on one side
- Easy & fast application



Shelf-stable and resistant to installation damage

CE 1021-CPR-057/19	
DENSO GmbH Felderstraße 24 51371 Leverkusen, Germany Leverkusen plant 40-35988-3401	
EN 15381 :2008 Geotextiles and geotextile-related products	
Tensile strength T_{max} (EN ISO 10319)	MD 100 kN/m CMD 100 kN/m
Maximum elongation ϵ_{max} (EN ISO 10319)	MD 2.5 % \pm 0.5 CMD 2.5 % \pm 0.5
Stability (appendix B) To be covered within 1 day of installation.	

Fibreglass mesh asphalt reinforcement with ultra-light non-woven material and laminated bitumen layer – for less cracking

Over the past century, DENSO Group Germany has built a reputation founded on experience, quality and reliability in corrosion prevention and innovative sealing technology. The success of the internationally leading Group is built on an invention that was patented as early as 1927 – “DENSO tape”, the world’s first product for passive corrosion prevention on pipelines. Since then, DENSO Group Germany has been setting the bar high, guaranteeing the highest standards of quality with pioneering technical products. All research, development and production activity takes place in Germany. Our employees work closely with our customers to create reliable individual solutions that stand the test of time.

Product description

TOK®-Armabit SK is an asphalt reinforcement comprised of a strong polymer-coated fibreglass mesh combined with an ultra-light non-woven material and a laminated film-protected bitumen layer. The reinforcement

prevents cracks from forming and extends the service life of the road.

TOK®-Armabit SK is self-adhesive on the application side, making it easy and fast to apply the reinforcement.

TOK®-Armabit SK is tested and approved to EN 15381 standards. The product complies with FGSV paper no. 770 “Working paper on the use of non-woven materials, mesh and composites in asphalt road construction”.

Usage

TOK®-Armabit SK is used in the repair and renovation of asphalt surfaces and is designed to increase the service life of the road, and particularly of the wear layer (cover layer).

TOK®-Armabit SK is ideal for use as an asphalt layer in concrete surfaces that will be covered with asphalt. The product slows down the rate at which cracks in the concrete joints transfer through to the

asphalt. It also significantly lengthens maintenance intervals.

Typical product properties

Property	Typical value	Applicable standard
Colour	Black	
Fibre type	100% fibreglass, multi-filament	
Coating	Temperature-resistant modified polymer coating	
Bitumen layer	Elastomer bitumen, approx. 2 kg m ²	
Mesh width	≈ 25 x 25 mm	
Weight/surface content	≈ 2450 g/m ²	DIN EN ISO 9864
Tensile strength	Longitudinal / transverse ≥ 100 kN/m	DIN EN ISO 10319
Elongation at rated force	Longitudinal / transverse ≤ 3%	DIN EN ISO 10319

The residual strength of the mesh following installation damage testing (in accordance with DIN EN 10722) is 95%

Application

In general, the installation and application instructions (chapter 11 of the FGSV "Working paper on the use of non-woven materials, mesh and composites in asphalt road construction") apply.

Environmental conditions:

TOK®-Armabit SK can be used at temperatures between 5°C and +30°C (+41°F to +86°F).

Surface preparation

Sand, dust, oil, petrol and other loose particles must be removed from the surface.

To ensure that **TOK®-Armabit SK** establishes full contact with the surface, the surface must be profiled before application if it is very uneven or has potholes or steep transitions. Expansion joints or large cracks must be sealed before application using a hot-processed bitumen joint compound in compliance with ZTV Fug-StB. On milled surfaces, the milling depth must not exceed 10 mm.

When using **TOK®-Armabit SK**, a binding agent must be applied in compliance with

TL BE-StB; this is particularly important on concrete surfaces. The bitumen emulsion must be fully broken before the asphalt reinforcement is applied to ensure that no moisture is sealed into the layer.

Installation of the asphalt reinforcement

TOK®-Armabit SK may only be installed in dry weather and on dry surfaces.

Lay the strips side by side without any overlap, with the adhesive side facing down. After rolling out, the asphalt layer must be pressed down onto the surface to ensure good adhesion. This can be achieved using a brush or a small roller.

The asphalt layer must be applied in areas of tensile stress. Around joints and cracks, ensure an installation width of 50 cm on other side of the joint or crack. In exceptional circumstances and in consultation with the client, an installation width of 25 cm on either side of the joint or crack may be sufficient.

TOK®-Armabit SK must not be driven over before the mix has been added! The asphalt mix should be added no later than

one day after the installation of the asphalt layer.

If the truck delivering the mix must drive over the asphalt reinforcement, it may be necessary to chip off a grain size of 2/5 mm at a rate of 1.0 kg/m² from the material, particularly if the weather is hot. This will prevent the material from sticking to the tyres.

The truck delivering the mix must drive over the surface as carefully as possible. Avoid sudden steering movements or harsh acceleration or braking. The generally recognised rules and standards for asphalt road construction apply to the installation and compression of the mixed material.

TOK®-Armabit SK must be covered with an asphalt layer that is at least 4 cm thick (when compressed). This is the only way to ensure that the combined asphalt and asphalt reinforcement layer will be effective.

Further information can be found in the application instructions for **TOK®-Armabit SK**.

Ordering information and packaging

Product	Unit/dimensions	Article number
TOK®-Armabit SK	Roll 0.5 m wide; 15.0 m long, packed in cardboard box (7.5 m ²)	30 rolls per pallet (225 m ²)
TOK®-Armabit SK	Roll 1.0 m wide; 15.0 m long, packed in cardboard box (15 m ²)	15 rolls per pallet (225 m ²)

Storage, transport and environmental factors

Always store **TOK®-Armabit SK** in a clean and dry environment and in an upright position. Protect the product against direct sunlight to prevent deformation.

This applies both during transport and when the product is in storage. Where possible, use **TOK®-Armabit SK** within 12 months of the date of manufacture.

TOK®-Armabit SK does not contain any

hazardous substances as defined in the Hazardous Substances Regulations. The product is recyclable if removed by milling to a depth of at least just below the asphalt layer.

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