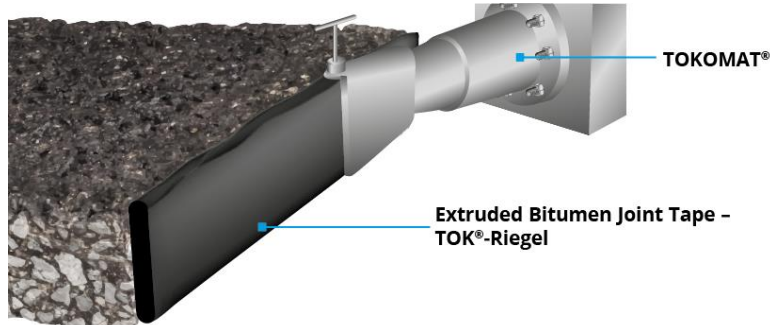






TOK[®]-Riegel

Product Information



Special Advantages:

-  Quick and economical installation, particularly on long sections.
-  Optimum joint quality provided by mechanical processing with **TOKOMAT[®]**.
-  Filling out of breaks e.g. at milled edges.
-  Tested in accordance with ZTV Fug-StB.



Bituminous compound that can be applied with TOKOMAT[®] for the creation and sealing of joints in asphalt road construction.

For a century now, DENSO Group Germany represents experience, quality and reliability for corrosion prevention and sealing technology. The success of the internationally leading corporation is based on the development of the "DENSO-Tape", which was already patented in 1927 as the first product worldwide for the passive corrosion prevention of pipelines. Since then, the DENSO Group Germany establishes and guarantees the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees continuously implement safe and individual solutions in a personal cooperation with the customer.

Product Description

TOK[®]-Riegel consists of a polymer-modified, binder-based compound. The specific composition of the raw materials and the high binder content ensure an

effective and durable joint-connection.

TOK[®]-Riegel fulfils all of the requirements stipulated in the latest ZTV Asphalt-StB and ZTV Fug-StB for compounds used to create

joints and seams in asphalt road construction.

Product Usage

TOK[®]-Riegel is used to create joints in asphalt road construction. Joints are created when a connection is made between asphalt layers with different properties, or asphalt layers and other materials, e.g. installed components made of concrete or steel.

The material is worked in a heated, malleable state, and fits optimally into any existing break even in rough surfaces.

Typical Material Properties

Properties	Unit	Results	Requirements according to TL/TP Fug-StB (as a rail joint compound)
Processing temperature PT	°C/°F	~+80 (+176)	1) Manufacturer's data
Density at -25 °C (+77 °F)	g/cm ³	1.327	To be specified by manufacturer
Ring and ball softening point	°C/°F	+116 (+240.8)	≥ 85 / 185
Cone penetration	1/10 mm	50	≤ 50
Flow length	mm	0.5	Specify test value
Elastic recovery	%	12	10-60
Separation tendency	%	0.0	≤ 3% (by weight)
Falling ball test	-	passed 4 of 4	At -20 °C, 250 cm ³ , 3 of 4
Dimensional stability	mm	1.5	At 45 °C/24h, ≤ 4.5
Volume change after thermal ageing	%	- 0.37	Specify test value
Softening point after thermal ageing	°C/°F	+114 (+237.2)	Specify test value
Elastic recovery after thermal ageing	%	18	Specify test value
Elasticity and adhesive strength at -10 °C, 2 mm without ageing		Passed	Passed
F _{max} after ageing	N/mm ²	0.09	Specify test value
F _{max}	N/mm ²	0.10	Specify test value

1) TOKOMAT® (temperature setting)
80 °C - 100 °C (+176 °F to +212 °F)

- Tested as **heat-treatable joint tape** according to TL/TP Fug-StB.
- Tested as **rail joint compound** according to TL/TP Fug-StB.
- Tested according to the earlier TLbitFug 82.

Product Application

Preparation of the edge

Prepare the dry and clean joint surface with **TOK®-SK Primer** and leave to air dry. The coat of primer is always necessary. Only ever use the primer that we recommend, since the **TOK®-Riegel** compound and **TOK®-SK Primer** are part of the same system and have been tested as such, and

have also been tested as part of external quality control testing.

Application of TOK®-Riegel

The material is heated in the TOKOMAT® to a temperature of approx. 80-100 °C (176-212 °F).

The TOKOMAT® is applied to the joint surface, brought into position and configured for the application nozzle.

The compound is then applied to the flange in the required dimensions.

In areas containing breaks, etc. the speed should be adjusted so that the uneven walls can be completely filled out.

Ordering Information and Packaging

TOK®-Riegel is delivered as bars weighing approx. 2 kg (26 bars) in delivery units of approx. 52 kg per box.

The delivery unit per pallet is 8 boxes, i.e. approx. 416 kg total weight per pallet.

Storage

TOK®-Riegel boxes must be stored unstacked and in a cool place in summer.

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