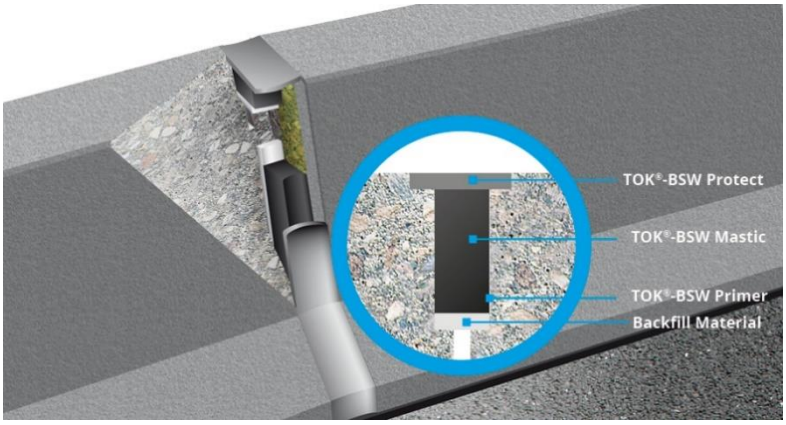
TOK®-BSW

Product Information



Special Advantages:

- Component-matched **system**.
- **Long-lasting** and **weather-resistant**.
- **UV**- and **ozone-resistant**.
- **Simple to work with**.
- The joint compound **meets** the requirements of **DIN EN 14188 Part 1, type N2**.
- For **new construction and renovation work**.

System consisting of bituminous joint compound and weather-resistant protective layer for the permanent sealing of joints in concrete safety barriers.

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

The **TOK®-BSW** is a joint sealing system for joints in concrete safety barriers.
The system consists of individual components perfectly matched to one another: **TOK®-BSW Primer** as the primer for the joint compound, **TOK®-BSW Mastic**, a high-performance, modified bituminous compound, and **TOK®-BSW Protect**, an extremely weather-resistant, highly-modified bituminous compound.

These compounds have been successfully deployed for many years in comparable products and have established a solid reputation in the industry as durable protection systems.

Product Usage

The **TOK®-BSW** is typically used for joint sealing in concrete safety barriers.

A combination of an elastic filling material and a weather-resistant protective layer ensures the level of safety necessary for a durable and highly functional joint sealing in safety-conscious applications.

System Overview/Functional Diagram

TOK®-BSW:

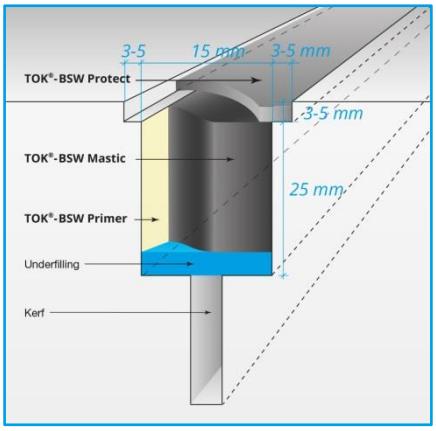


Diagram not to scale

Product Application

General instructions
As a rule, the joint compound should only be installed in dry conditions and where joint surface temperatures are at least 0 °C (+32 °F). The maximum surface temperature should not exceed +40 °C (+104 °F).

Preparing the joints
The concrete must be dry, clean, and free from loose parts or release agents. Concrete must be at least 7 days old and have attained at least 70% of its 28-day compressive strength at the time of jointing. Coated surfaces must be pre-treated.

In accordance with ZTV FRS, the recommended joint width is **10 mm**. We recommend a joint width of **15 mm**. Joint flanges must run exactly parallel to one another. In accordance with ZTV Fug-StB, the recommended joint depth for concrete joints is at least 1.5x the joint gap width and is also dependent on expected changes in the joint gap width. We recommend a joint fill depth of **25 mm**.
In all cases, "three-surface adhesion", i.e. bonding of the joint sealant to the subsurface (and not to the joint flanges!) must be avoided. In addition, an appropriate heat-resistant lining must be used in accordance with ZTV Fug-StB (e.g. silicone paper or cord seal, etc.). Further details about measuring joint cross-sections and about suitable linings can be obtained by consulting ZTV Fug-StB.

Application of TOK®-BSW Primer
Following the proper and correct pretreatment of the flanges, **TOK®-BSW Primer** is applied across all contact surfaces. In summer, the air drying time is approx. 3–5 minutes.
After the primer has air-dried, the lining is inserted into the joint.

Installation of TOK®-BSW Mastic
The application of **TOK®-BSW Mastic** involves the use of specialized equipment. The material bars are filled into cartridges (600 ml) by an extrusion machine. Immediately after filling, the sealant material is then inserted into the vertical joints. The material must be worked relatively quickly, so that the heated compound can be easily pressed out of the cartridge.
Once the material has been completely pressed out of the cartridge, new material can easily be filled and work can then proceed immediately.
The sealant ends approx. 3 mm before the outer edge of the concrete, to leave enough space for the protective layer.

Installation of TOK®-BSW Protect
To provide additional protection, the **TOK®-BSW Mastic** joint filler receives a layer of **TOK®-BSW Protect.**

This compound is also installed using the same type of equipment that was used to process the **TOK®-BSW Mastic**.
Only the nozzle technology on the cartridge gun is different – to ensure that the compound can be applied so it is flush to the surface of the concrete barrier.

Further benefits of the TOK®-BSW: Reworking
The system offers a major advantage when carrying out minor repair work. In this case, existing compound can be non-destructively heated, covered with new compound and then trowelled smooth.

Renovation work
TOK®-BSW can also be utilized for renovation work on existing joints.
Here, the same general preconditions apply as for new construction work.
Renovation work must ensure that all residues of old joint fillers have been removed and joint widths must be widened to at least 15 mm.

Ordering Information and Packaging

Product name	Order number	Colour	Packaging units
TOK®-BSW Primer	10087800	Clear	5.0 litres
TOK®-BSW Mastic	10077203	Black	Supplied in bar form in boxes, 30 kg/box and 12 boxes per pallet (360 kg)
TOK®-BSW Protect	10077702	Grey-brown	Supplied in bar form in boxes, 30 kg/box and 12 boxes per pallet (360 kg)

Storage

TOK®-BSW Primer can be stored for at least 3 years from the date of manufacture in its unopened original packaging.
TOK®-BSW Mastic can be stored for at least 2 years from the date of manufacture when tightly sealed in its original packaging. **TOK®-BSW Protect** can be stored for at least 2 years from the date of manufacture when tightly sealed in its original packaging.

All products in the system must be stored in a cool and dry place, and must not be exposed to direct sunlight or frost.

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