






# TOK®-Band SK N2



## Product information



### Special advantages:

-  Excellent adhesion and elasticity at -10 °C (14 °F).
-  Cold processed – no burner required.
-  No primer required.
-  Fulfils all requirements of ZTV Fug-StB 15.
-  Processing temperature from 0 °C to +35°C (from +32 °F to +95 °F).

## High-flexibility self-adhesive bitumen joint tape for joints and seams in asphalt road construction.

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.

### Description

**TOK®-Band SK N2** is a high-quality bitumen joint tape made from polymer-improved road bitumen with exceptional stretch and adhesion properties. **TOK®-Band SK N2** has a homogeneous full-surface adhesive coating on one side (smooth side), and can therefore be applied to "cold" joint edges

quickly and safely, without the use of a gas burner. **TOK®-Band SK N2** can be applied without primer to properly prepared edges that are clean, dry and free of dust. The slightly profiled (wavy) side of the bitumen tape is the side without an adhesive coating. This side will later form the base

for the "hot" asphalt mix.

If necessary, the optional primer **TOK®-SK Primer** can be used to boost the adhesion of **TOK®-Band SK N2** to the joint edge.

### Usage

**TOK®-Band SK N2** is ideal for sealing joints in asphalt road construction applications that are subject to special or demanding requirements.

One example is **railway track construction**, where the joints on the rails have to cope with a great deal of

movement.

Thanks to its high flexibility, the tape is also ideal for use at low temperatures, where conventional bitumen joint tapes would be too stiff for easy application.

When used in conjunction with **TOK®-SK Primer**, the product boasts an exceptional

stretch capacity of **≥33%** at **-10°C (+14°F)**. Even at temperatures as low as **-20°C (-4°F)**, the adhesion and elasticity requirements specified for bitumen joint tape in **TL Fug-StB 15** are satisfied or exceeded.

## Typical product properties (test results in accordance with TL Fug-StB)

| Test                               | Unit                  | Typical results range | Requirement  |
|------------------------------------|-----------------------|-----------------------|--------------|
| Softening point (Ring&Ball method) | °C/°F                 | > +100 (+212)         | > +90 (+194) |
| Cone penetration                   | 0.1 mm                | 20–50                 | 20–50        |
| Recovery                           | %                     | 10–30                 | 10–30        |
| Cold bending behaviour             | °C/°F                 | ≤ ±0 (+32)            | ≤ ±0 (+32)   |
| Stretch and adhesive strength      | % / N/mm <sup>2</sup> | ≥ 10 / ≤ 1.0          | ≥ 10 / ≤ 1.0 |

## Application

### Weather conditions:

In accordance with ZTV Fug-StB, bitumen joint tapes may only be applied in dry weather and when the surface temperature of the asphalt is at least +5°C (+41°F).

At temperatures between 0°C and +5°C (+30°F and +41°F), the product may only be applied if additional measures are taken (e.g. preheating of edges).

### Requirements for connection edges:

In accordance with ZTV Fug-StB, the following basic requirements apply: Edge surfaces must be solid, even and straight for the successful application of bitumen joint tape.

The connection edges must be bevelled, precision-milled or cut, or assembled using ready-made components.

They must be free of dirt. Rust particles on steel components must be removed. Any residual dirt left adhering to the surface must be removed with a wire brush or compressed air. The edges must be dry.

### Use of TOK®-Band SK N2:

If all of the requirements for connection edges are fully satisfied, **TOK®-Band SK N2** may be applied to the edge without primer. The relevant test results in accordance with TL/TP Fug-StB are available.

If necessary, you can optimise the adhesion of the bitumen joint tape to the edge, and ensure that the adhesion and stretch requirements for hot pouring compounds are met in accordance with ZTV Fug-StB 15, by also applying **TOK®-SK Primer**.

In summer, the drying time of **TOK®-SK Primer** is just 3 to 5 minutes, dependent on weather conditions, allowing further work to start quickly.

### Application:

**TOK®-Band SK N2** is applied to the prepared connection edge with the adhesive layer (smooth side) facing upwards.

The anti-adhesive paper should be removed just before the tape is laid.

The adhesive surface (smooth side) of the

laid **TOK®-Band SK N2** is pressed onto the connection edge by hand or using a tool.

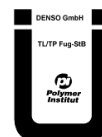
### ZTV Fug-StB 15 – bitumen joint tapes:

In accordance with ZTV Fug-StB, bitumen joint tape must be laid with a 5-mm protrusion on rolled asphalt surface layers, so that a so-called "rivet head" is produced when rolling the asphalt. This forms an additional seal on the surface and provides a clean "closure".

In cast asphalt surfaces, the joint tape is laid flush to the edge.

The width of the joint tape must be at least **10 mm**.

In accordance with ZTV Fug-StB and TL Fug-StB, the quality of the material must be monitored by a third party and verified by placing an approval label on the packaging.



## Ordering information and packaging

**TOK®-Band SK N2** is supplied on rolls. The rolls are sorted by cross-section size,

separated using silicone paper and delivered in boxes measuring (w x d x h) 370 mm x 370 mm x 160 (or 144) mm.

30 boxes are packed on one euro pallet (800 x 1200 mm).

| Profile [HxW] | Article number | m/box | m/pallet |
|---------------|----------------|-------|----------|
| 25x8          | 100 88 065     | 60    | 1.800    |
| 30x10         | 100 88 020     | 40    | 1.200    |
| 35x8          | 100 88 030     | 48    | 1.440    |
| 35x10         | 100 88 019     | 40    | 1.200    |
| 40x8          | 100 88 018     | 36    | 1.080    |
| 40x10         | 100 88 017     | 30    | 900      |

\*Other profile cross-sections on request

## Storage

Store dry and protected from frost, in normal ambient temperature conditions (ideally 15–20°C/ 59–68°F); do not stack anything on top of the boxes.

In these conditions, **TOK®-Band SK N2** can be stored in its sealed original packaging for at least two years from the date of manufacture.

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