



### Special Advantages:

- Very simple and easy workability.
- Permanent and abrasion-resistant.
- Traffic flow restored quickly.
- Good surface grip if sprinkled with grit.

### TOK®-Dur is a two-component material based on acrylic resins.

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®-Dur is used to create durable, abrasion-resistant and weather-resistant coatings for covering over fine cracks or to compensate for minor unevenness, primarily on asphalt surfaces.

**The powdery TOK®-Dur hardener (B-component) is subject to the Ordinance on the Prohibition of Chemicals.**

### Typical Material Properties

TOK®-Dur is a two-component specialized product with a reactive acrylic resin as a binder. The material is characterized by the following properties:

- Good elasticity
- Low shrinkage stress
- Rapid drying and good adhesive strength
- Good weather resistance and durability
- Good water and road salt resistance

Density	1.60 g/ml (approx.)
Flash point	+10 °C (+50 °F) (approx.)
Pot life at 23 °C	10 minutes (approx.)

## Product Application

### Subsurface preparation

The subsurface must be clean, dry and free of detritus. Any oil film or other adhesion-reducing substances must be removed.

Asphalt surfaces with sealants are not suitable for coating with **TOK®-Dur**.

With concrete substrates, the two-component **active primer** must be applied first (mixing ratio 100:3).

Active primer usage approx. 150 g/m<sup>2</sup>.

The air temperature must be at least +5 °C (+41 °F) and the relative humidity must not be higher than 75%.

The subsurface temperature must be at least +3 °C (+37.4 °F) above the dew point and must not exceed +45 °C (+113 °F).

Before application, we recommend briefly stirring or shaking the primer.

The concrete subsurface must be in place for at least 4 weeks. The surface sinter course must be mechanically removed or stripped using a high-pressure water jet. The subsurface must be clean (free of dirt and soot).

### Application of adhesive primer (for concrete subsurface only):

Spray application or using roller or brush.

The primer must be applied uniformly in a thin coat. Avoid pooling.

After waiting for the surface of the adhesive primer to dry, **TOK®-Dur** can be applied directly.

### Do not mix the active primer with solvent-based thinners!

### Ensure that the product is applied in a thin coat!

### Application of the coating compound

The material must be stirred well before use, the powder-based curing agent must be homogeneously mixed in at a mixing ratio of 1:100. The material is ready for use and must not be diluted. Application is carried out using an adhesive/notched trowel.

When applied in layers thicker than 5 mm, **TOK®-Dur** can be filled with (dry!) quartz sand of a grain size 0.3–1.5 mm, up to a maximum proportion of 50%.

Application thickness should not exceed 20 mm wherever possible. With thicknesses of over 5 mm, the mixture should be applied in two separate steps.

To achieve a good surface grip, dress the surface immediately after material application with an excess amount of coloured quartz sand, blast furnace slag, or similar, with a grain size of 0.3 to 1.5 mm. The excess dressing material can be reused.

The ambient temperature must be at least +5 °C (+41 °F). The curing time is

temperature-dependent and is approximately 1 hour.

Application equipment should be cleaned immediately after work using ethyl acetate or a similar cleaner.

Typical usage of **TOK®-Dur** – with added quartz sand – is approx. 1.5–2.0 kg per m<sup>2</sup>, depending on the nature of the subsurface. In its pure form (without quartz sand), usage is approx. 1.6 kg/m<sup>2</sup> per mm of coat thickness.

## Ordering Information and Packaging

**TOK®-Dur** is supplied in a 7.0 kg pack size.

It is coloured grey.

The gloss level of the material is roughly "satin finish".

Other colours and pack sizes are available on request.

The curing agent is powder-based.

		Order number
TOK®-Dur	7.0 kg/metal container	101 19 220
Active primer TOK®-Dur (for concrete subsurfaces)	10.0 kg/metal container	101 19 539
Curing agent (powder) for TOK®-Dur	80 g	101 19 219
Curing agent (powder) for active primer TOK®-Dur	Set 4 x 80 g	100 72 020

## Storage

Store the closed containers in a dry place at 0 °C to +20 °C (+32 °F to 68 °F).

Under these conditions, **TOK®-Dur** and the **active primer TOK®-Dur** can be stored

for at least 12 months from the date of manufacture.

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