

Polymer-Modified Bituminous Hot-Applied Edge Sealing Compound in accordance with TL Sbit-StB

Product Profile

GusjoinT-Rand 70/100 is a hot-applied, polymer-modified and sprayable edge sealing compound in accordance with TL Sbit-StB.

The product has been specifically developed for the durable sealing of exposed asphalt edges. It provides reliable protection of pavement edges against water penetration as well as weather- and traffic-related deterioration.

By permanently sealing the exposed asphalt edge, the resistance of the pavement edge is significantly improved, contributing to an extended service life of the pavement structure.

Typical Applications

GusjoinT-Rand 70/100 is particularly suitable for:

- Edge sealing of newly constructed asphalt pavements
- Exposed asphalt edges along carriageways
- Roads with one-sided crossfall
- Shoulder transitions
- Widening of existing pavements
- Repair of damaged asphalt edges
- Municipal, regional and national roads

Product Benefits

- Polymer-modified formulation
- Sprayable hot-applied material
- Permanent sealing of exposed asphalt edges
- Protects against water penetration
- Reduces edge cracking and edge break-off
- Excellent resistance to ageing and weathering



- Good adhesion to asphalt
- Economical application

Packaging

25 kg anti-stick carton

Storage

Store in a cool, dry place protected from direct sunlight.

Material Consumption

Material consumption depends on the geometry and configuration of the asphalt edge.

Typical application rates according to ZTV Asphalt-StB

- Inclined edge surfaces: approx. **4.0 kg/m²**
- Horizontal adjacent surface (where required): approx. **1.5 kg/m²**

Actual consumption may vary depending on the edge geometry and construction method.

Safety Information

Observe all applicable occupational health and safety regulations during handling and application. Further information is available in the current **Safety Data Sheet (SDS)**.

Application

Melting the Edge Sealing Compound

GusjoinT-Rand 70/100 shall only be melted in **indirectly heated, thermostatically controlled melting kettles equipped with a mechanical agitator**.

The material shall be applied at a temperature of approximately **160 °C to 170 °C**.

Overheating must be avoided, as excessive temperatures may adversely affect the product properties.

Preparation of the Asphalt Edge

A durable edge seal requires a properly constructed asphalt edge.

The exposed asphalt edges should be uniformly shaped and compacted over the entire inclined surface. For optimum adhesion, the edge sealing compound should preferably be applied immediately after construction of the asphalt edge while contamination of the surface can still be avoided.

Where several asphalt layers are constructed flush with one another, edge sealing should preferably be carried out only after completion of the entire edge, provided that contamination of the edge surfaces between paving operations can be prevented.

Surface Preparation

The surfaces to be treated must be **dry, clean and free from frost**.

Edition: July 2026. Subject to technical modifications without prior notice.

Dust, loose particles, soil, oil, grease and any other contaminants that may impair adhesion must be completely removed before application.

Applikation

The edge sealing compound may be applied using suitable spray equipment or heated application lances. The use of appropriate hot spray nozzles is recommended to ensure uniform material distribution.

To achieve the specified application rate, the material should generally be applied in **at least two application passes**.

The substrate temperature during application should be at least **0 °C**.

Application Recommendations

Where the sealing is applied in stages, it is recommended that the adjacent asphalt surface is included in the sealing treatment. This provides long-term protection for the transition zone between the asphalt surface and the exposed edge.

Design and application shall be carried out in accordance with the applicable technical regulations, in particular **ZTV Asphalt-StB** and **TL Sbit-StB (German Standards)**.

Technical Summary

Application temperature	approx. 160-170°C
Density	1,22 g/cm ³
Minimum substrate temperature	≥ 0 °C
German Standard	TL Sbit-StB