

Polymer-Modified Paving Joint Sealant
For paving and natural stone pavements in accordance with TL Fug-StB.

Product Profile

GusjointT-P is a hot-applied, polymer-modified bituminous paving joint sealant in accordance with **TL Fug-StB**, developed for the permanent sealing of joints in paving and natural stone pavements.

The product has been specifically designed for traffic areas where joints are permanently exposed to mechanical loading, temperature fluctuations and weathering.

Its carefully balanced formulation provides excellent adhesion to mineral substrates and ensures durable protection against the penetration of water and fine particles.

Typical Applications

GusjointT-P is particularly suitable for:

- Concrete block paving
- Natural stone paving
- Paved roads and public squares
- Pedestrian zones
- Traffic-calmed areas
- Paving joints in traffic areas
- Industrial and commercial surfaces
- Repair of damaged paving joints

Product Benefits

- Polymer-modified formulation
- Excellent adhesion to mineral substrates
- High resistance to traffic loading
- Good resistance to ageing and weathering
- Reduces water penetration into the pavement structure
- Economical application
- Suitable for concrete and natural stone paving



- Durable elastoplastic performance

Packaging

15 kg anti-stick carton
30 kg anti-stick carton

Storage

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

Material Consumption

Material requirement (kg)

Joint length (m) × Joint width (mm) × Joint depth (mm) × Density (g/cm³) ÷ 1,000

Primer consumption: guideline value approximately 3% of the quantity of paving joint sealant used.

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 Paving Joint Sealant

GusjointT-P shall only be melted in **indirectly heated, thermostatically controlled melting kettles equipped with a mechanical agitator**.

The sealant shall be heated slowly and evenly to the recommended application temperature of approximately **150 °C**.

Overheating must be strictly avoided, as excessive temperatures may permanently impair the material properties and damage the polymer-modified components.

Melting kettles without mechanical agitation or directly heated bitumen boilers are not suitable for processing. Uneven heating may also cause mineral fillers to settle, reducing the homogeneity of the sealant.

Before each melting operation, ensure that the melting kettle is clean and free from residues or carbonised material from previous melting cycles.

Preparation of the Paved Surface

Long-term performance of the joint seal depends on proper preparation of the paved surface.

The paving units must be firmly seated and correctly positioned within the bedding layer. Newly constructed paved areas should only be sealed after the pavement has been sufficiently trafficked and stabilised.

Before sealing, all joints must be thoroughly cleaned. Dust, sand, loose particles, vegetation and any other contaminants that may impair adhesion must be completely removed. Cleaning may be carried out using compressed air or suitable mechanical cleaning equipment, depending on site conditions.

Recontamination of the prepared joints between cleaning and sealing should be avoided.

The joints must be completely dry before application.

In most cases, the use of a primer is not required. Where substrate conditions or the type of paving material require improved adhesion, **GusjointT-Primer** may be used as a pretreatment. The primer must be completely dry and fully flashed off before sealing.

Sealing of the Paving Joints

The paving joint sealant shall only be applied under dry weather conditions.

The surface temperature of the paving should be at least **+5 °C**.

Application should be carried out using suitable equipment, such as pouring cans or mechanically operated application lances. The recommended application temperature must be maintained throughout the sealing process.

If the material temperature falls below the recommended range, the flow characteristics deteriorate considerably. As a result, the joints may not be completely filled, leading to the formation of voids. Such defects may subsequently cause settlement of the joint seal and allow water to penetrate into the pavement structure. Partially cooled material residues must not be reheated or reused.

Second Pour

Like all hot-applied bituminous joint sealants, GusjointT-P undergoes slight volume shrinkage during cooling. To achieve complete joint filling, application in **two stages** is recommended.

The second pour should be carried out immediately after the first application while the surface remains clean and slightly glossy. This ensures a durable bond between both material layers.

The recommended application temperature must also be maintained during the second application.

Application Notes

The design, installation and dimensioning of paving joints shall comply with the applicable technical regulations and recognised engineering practice.

Particular attention should be paid to the relevant specifications for paving construction and joint sealing in road construction, especially **TL Fug-StB 24**.

Technical Summary

Application temperature	approx. 150 °C
Density	1,57 g/cm ³
Minimum substrate temperature	≥ +5 °C
Standard	TL Fug StB 24

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