



DEUPOL® / DEUBIT®

Polymer bitumen / road bitumen
Ready-mixed binder for temperature-reduced asphalts

■ Delivery program

Road bitumen

Unmodified road bitumen in accordance with DIN EN 12591 and the Technical Terms of Delivery for Road Bitumen and Ready-to-Use Polymer Modified Bitumen (TL Bitumen-StB 25) is used for asphalt mixtures in road construction and other industrial applications.

DEUBIT®	20/30	
DEUBIT®	30/45	
DEUBIT®	50/70	
DEUBIT®	70/100	
DEUBIT®	160/220	

Polymer-modified bitumen

Products made from polymer-modified bitumen in accordance with DIN EN 14023 and TL Bitumen-StB 25 are used for asphalt mixtures in road construction.

		RC variant
DEUPOL®	10/40-65 A	10/40-65 A RC
DEUPOL®	25/55-55 A	25/55-55 A RC
DEUPOL®	45/80-50 A	45/80-50 A RC
DEUPOL®	45/80-65 A	45/80-65 A RC
DEUPOL®	65/105-70 A	65/105-70 A RC

Compared to the standard product type "A", the "A RC" variant has a higher polymer content. This makes it particularly suitable for use in conjunction with reclaimed asphalt. The area of application is the production of high-quality asphalt mixtures for road construction.

The products in the "road bitumen" and "polymer-modified bitumen" categories are also available as "HV" variants. These have an additional additive to improve adhesion to the rock subsoil.

Road bitumen viscosity-modified*

This product is a road construction bitumen where the viscosity has been modified by adding wax in accordance with the requirements of the Technical Delivery Conditions for Ready-to-Use Viscosity Modified Bitumen (TL VBit-StB 22). It is used specifically for the production of asphalt mixtures in road construction.

		Variant with increased wax content
DEUBIT®	15/25 VL	15/25 VLplus
DEUBIT®	25/35 VL	25/35 VLplus
DEUBIT®	35/50 VL	35/50 VLplus
DEUBIT®	50/80 VL	50/80 VLplus
Available on request:		
DEUBIT®	15/25 VH	15/25 VHplus
DEUBIT®	25/35 VH	25/35 VHplus
DEUBIT®	35/50 VH	35/50 VHplus
DEUBIT®	50/80 VH	50/80 VHplus

Binder for mastic asphalt

DEUBIT®	15/25 VL MA	
DEUBIT®	25/35 VL MA	
DEUBIT®	15/25 VH MA	
DEUBIT®	25/35 VH MA	

The viscosity of this special road construction bitumen is precisely adjusted through the targeted use of wax. Manufacture and quality meet the requirements of TL VBit-StB 22. The product was specially developed for the production of mastic asphalts and meets the highest requirements in terms of viscosity, workability and paving behaviour.

*DEUBIT® 10 Hbit NV is a special hard bitumen with viscosity-reducing additives. It is used for the production of mastic asphalt for indoor use.

■ Delivery program

Polymer-modified bitumen viscosity-modified*

This polymer-modified bitumen with a viscosity-modifying additive fulfils the requirements of TL VBit-StB 22. It is ideal for asphalt mixtures on industrial and storage areas where maximum stability and load-bearing capacity are required – for durable, reliable surfaces.

		Variant
DEUPOL®	PmB 10/25 VL	PmB 10/25 VLplus
DEUPOL®	PmB 25/45 VL	PmB 25/45 VLplus
DEUPOL®	PmB 45/80 VL	PmB 45/80 VLplus
DEUPOL®	PmB 10/25 VH	PmB 10/25 VHplus
DEUPOL®	PmB 25/45 VH	PmB 25/45 VHplus
DEUPOL®	PmB 45/80 VH	PmB 45/80 VHplus

*All bitumen grades are available as VL and VH as well as VLplus and VHplus. The main area of application is the production of asphalt mixtures for road construction. The "plus" variant is characterised by an increased proportion of wax.

Polymer-modified bitumen with surface-active additive

	LT - Variant	LTplus - Variant	LThigh - Variant
DEUPOL®	10/40-65 A LT	10/40-65 A LTplus	10/40-65 A LThigh
DEUPOL®	25/55-55 A LT	25/55-55 A LTplus	25/55-55 A LThigh
DEUPOL®	45/80-50 A LT	45/80-50 A LTplus	45/80-50 A LThigh
DEUPOL®	45/80-65 A LT	45/80-65 A LTplus	45/80-65 A LThigh
DEUPOL®	65/105-70 A LT	65/105-70 A LTplus	65/105-70 A LThigh

Also available as RC variants

Polymer-modified bitumen with surface-active additive

This is a polymer-modified bitumen that complies with DIN EN 14023 and TL Bitumen-StB 25 and is used for the production of asphalt mixtures in road construction. A special surface-active additive makes it easier to lay the asphalt at lower temperatures.

Depending on the desired proportion of asphalt granulate, the product is available in the LT, LTplus and LThigh variants with different dosages.

Customised binders for your application

We supply customised binders for your application. Together we adjust the products to your requirements – from LT to LThigh. The range also includes special binders for mastic asphalt and rubber-modified variants.

Contact us - we will find the right binder for you.

Efficient, sustainable, high-performance – a new approach to road construction

Rising energy and raw material prices as well as stricter environmental and health and safety regulations pose major challenges for road construction. The solution: Colzuphalt®, the proven additive from Dortmunder Gußasphalt GmbH & Co. KG.

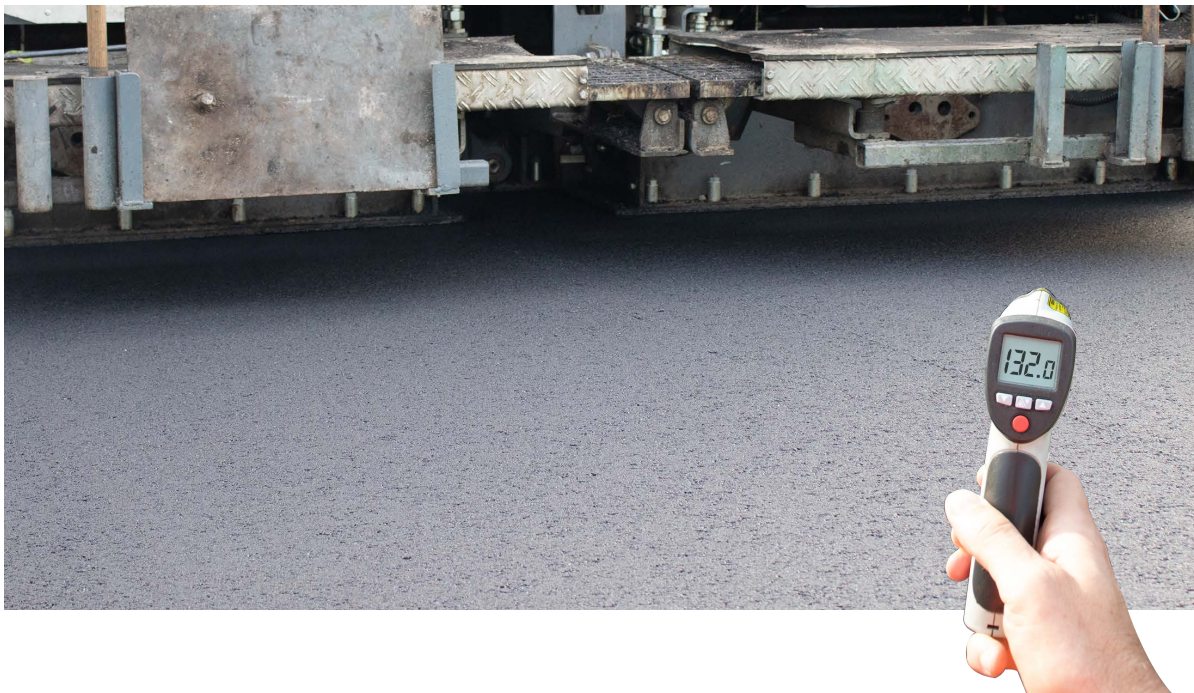
Colzuphalt® increases bitumen performance at significantly lower temperatures. As a liquid, reactive wetting and bonding agent, it improves the flow properties and enables the aggregates to be completely coated – both in the mixing plant and on the construction site.

This allows the manufacturing and processing temperatures of rolled and moulded asphalt to be reduced by up to 30 °C.

Your advantages at a glance:

- Noticeably lower energy costs
- Significantly reduced CO₂ emissions
- Less vapours and aerosols
– higher occupational safety
- Very good long-term performance
even with high traffic loads

Colzuphalt® sets standards: It is the first surface-active additive to be officially approved by the Federal Highway Research Institute (BAST). We also think ahead when it comes to packaging: The dga-group offers the collection and recycling of 900 kg containers in selected areas. We take care of collection, cleaning and refilling. Your benefit: Less effort, lower disposal costs – and an active contribution to environmental protection.



■ dga-group and BITUMINA – Partnership co-operation

BITUMINA – your high-performance partner along the entire value chain

BITUMINA Handel GmbH combines reliability with competence and delivers comprehensive solutions for bitumen products to the asphalt and construction industry.

Under the motto “Everything from a single source”, BITUMINA combines the procurement of high-quality raw materials, the production of high-performance modified binders as well as their storage and on-time logistics. All process steps are consistently controlled in-house – for maximum quality, transparency and security of supply.

Efficient and flexible logistics form the backbone of customer supply. With BITUMINA Spedition GmbH & Co. KG, the company has its own logistics unit that coordinates all transport processes and efficiently manages external forwarders. In this way, BITUMINA guarantees a reliable and demand-orientated supply to the production sites at all times.

Innovative bitumen solutions – developed by the dga-group

As a pioneer in road and building construction, the dga-group combines technical competence with innovative strength. The company develops advanced bitumen products that meet the growing demands for efficiency, performance and sustainability.

Based on many years of experience in research and development as well as sales, the dga-group offers its customers a broad portfolio of bitumen products and modified binders. This product diversity enables customised solutions that are precisely tailored to the individual requirements of customers and projects.

A particular highlight is the proven product Colzuphalt®, which is listed as a surface-active additive on the Federal Highway Research Institute’s (BAST) experience list. Colzuphalt® enables asphalt to be laid at significantly reduced temperatures – a clear added value in both economic and ecological terms.

Marketing and service from one strong source

The hot liquid bitumen products are marketed by BITUMINA under the established brand names DEUBIT® and DEUPOL®. In close co-operation with the dga-group, the result is a comprehensive range of services covering all stages from product development and production to storage and logistics. Outcome: a high-performance overall package that stands for quality, reliability and cooperation based on partnership.



■ Bitumen explained: Product designations at a glance

To help you find the right bitumen or binder quickly, this overview explains the structure of our product names step by step.

1. Brand names and basic types

The brand name indicates the basic type of binder:

- **DEUBIT®:**
Bitumen without polymer modification, can be modified with wax or additives
- **DEUPOL®:**
Bitumen with polymer modification (higher-performance binders) can also be modified with wax and other additives

2. Type designation according to technical delivery conditions

The variety designation follows directly after the brand name. It is based on the applicable Technical Terms of Delivery (TL), for example:

- Types according to TL Bitumen
- Types according to TL VBit

This information describes the technical properties of the product.

3. Product additives and their significance

Additional letters indicate special properties:

- **RC:** Increased polymer content - specially developed for use with reclaimed asphalt
- **VL / VH:** Wax-modified binders for improved processing properties
- **HV:** The addition of additives favours the adhesive behaviour between the binder and the rock. The intended use is the production of asphalt mixtures for road construction

4. Surface-active additives: LT, LTplus, LThigh

The designations LT, LTplus and LThigh indicate that surface-active additives have been added to the bitumen. These make it easier to lay the asphalt at lower temperatures.

Depending on the desired content of asphalt granulate, the product is available in the following variants:

- **LT:** Recommended upper limit up to 40 % RC content (recycling content) in asphalt
- **LTplus:** Recommended upper limit up to 60 % RC content in asphalt
- **LThigh:** Recommended upper limit above 60 % RC content in asphalt

Colzuphalt® is generally used for LT binders. Depending on requirements, other additives can also be used.

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Examples of product designations

- DEUPOL® 25/55-55 A RC LTplus
- DEUBIT® 25/35 VL LT