

Bitumen Specialties

for heavy loads





Leaders in quality and service

TIB Chemicals originates from the merger of Goldschmidt TIB Germany and Goldschmidt Quimica de México. As manufacturer of specialised Basic Chemicals, innovative Inorganic Specialty Chemicals and Coating Systems, the company supplies to a worldwide market.

The largest production facilities of TIB Chemicals are located in Mannheim (Germany) as well as San Luis Potosi (Mexico). The sales and marketing organisation operates globally, with representations on all continents.

Employing approximately 350 qualified personnel, the TIB Chemicals manufacturing history dates back over 130 years of tradition and know-how. With a yearly production of more than 400.000 tons of chemicals, TIB Chemicals generates revenues of over € 120 million.

The yearly growth of TIB Chemicals' accrual rate is above the average for the industry. High-quality products, custom-made solutions and a flexible distribution and logistics service for our entire customer base are the basis of our success. Customer requirements are met with prompt and individual attention. We thereby focus on our main target, to increase and to enhance the business success of our clients.

Subdivided into three business units, the company operates Basic Chemicals, Inorganic Specialty Chemicals and Coating Systems. Combined they form a strong unit with a solid financial base and with the logistic and organisational structure of a large international enterprise.

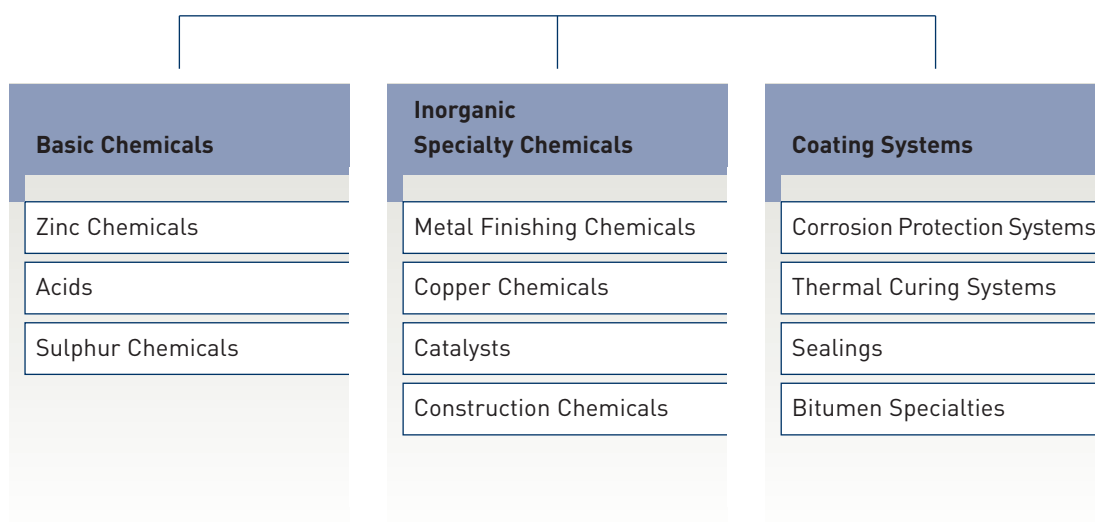


TIB Chemicals successfully passed certification for the standards according to ISO 9001:2000.





TIB CHEMICALS



The three business units of TIB Chemicals produce and sell:

- ⚡ **Basic Chemicals** such as zinc chemicals, acids or sulphur chemicals, for chemical companies, the metal industry, the hot dip galvanising industry, the electroplating industry, the textile and plastic industries, for water treatment and for the production of food and beverages
- ⚡ **Inorganic Specialty Chemicals** based on the elements tin, zinc, copper and bismuth. These special compounds are used as electroplating chemicals in the electronics and metal industries, as copper chemicals in the automotive and chemical industries, as catalysts in the resin and paint industry, and also in chromate reduction for the construction industry
- ⚡ **Coating Systems** based on two component liquid polyurethane and epoxy systems, which have been developed as anticorrosion protection for the pipeline industry, for the valve-making industry, as well as for sewage outfall, water treatment and power plants. Thermal curing systems for electroplating, tool manufacturing and the packaging industry. Sealing compounds for gas and heating systems. Furthermore, modification and oxidation of bitumen as well as the production of bitumen-based systems for road surfaces

On the following pages, you will find our **Bitumen Specialties**.



High-performance bitumen and bituminous products for various fields of application

TIB Chemicals has – now for decades – gained experience in the development and manufacture of product systems for traffic paths. We produce over 150.000 tons of toll manufactured bitumen for the leading oil companies. Bituminous products as well as specialities are produced according to our customers' specifications; in close co-operation with our customers, we modify existing formulations or create new ones, to enhance our customers' success in the market. To ensure continuous manufacturing processes for our customers, we produce, load and unload around the clock.

In addition, TIB Chemicals manufactures high-performance products based on bitumen. The trademarks PROMAK®, REINAU®, PRODOFIX®, PRODORIT® and PRODOMULS® are registered and nationally as well as internationally approved, resulting in our leading position in the production of bituminous products. For example, we have developed products, on tar or bituminous basis, to optimise the runways of many large international airports by using our material for rough surfacings.

Our objective is to manufacture and distribute products of superior quality, following the necessities of the market, and to provide our customers with the best possible support. Naturally, we offer the development of custom-made solutions, flexibility in distribution and logistics service, and an individual consultant service by our employees.





Innovative joint sealants for roads, parking areas and paths

REINAU® Joint sealing and Crack filling compounds are hot-applied systems based on polymer-modified bitumen. They provide different elasticities and densities and are suitable for filling joints with diverse widths, for horizontal and slightly tilted joints.

Our products fulfil many standards, such as EN 14188-1 or TL-Fug-StB, as well as the SNV 671 625a quality standard of Switzerland for Joint sealing, and the American Specification Federal Spec. SS-S-164.

Our products are made for a variety of applications and uses. The kerosene-resistant hot-applied sealant REINAU® 1614 is suitable for use on runways and in gas filling stations.

REINAU® sealing compounds are easy and fast to apply and the new surface can be opened for traffic within a few hours. Thus, repairs on roads with heavy traffic can be carried out during the night, without any problems.

REINAU® hot-applied compounds for road constructions

- REINAU®1401 Joint sealing compound
- REINAU®1614 Joint sealing compound
- REINAU®SNV 164
- REINAU® Pavement sealing compound
- REINAU® Joint sealing compound
- REINAU® Crack filling compound
- REINAU® Plastic resin primer





Compounds designed for the elastic embedding of railway constructions

REINAU® Rail embedding and Rail Joint sealing compounds have now been approved for decades in rail track construction.

The hot-applied sealing compounds

- ⚡ show a high back suspension, but are still elastic
- ⚡ are designed for elastic embedding of railway constructions, resulting in a remarkable reduction of vibration
- ⚡ have good flow characteristics
- ⚡ prevent the penetration of water and thaw salts into the rail joints

REINAU® hot-applied compounds for rail track constructions

- REINAU® Rail Joint sealing compound
- REINAU® Rail embedding compound
- REINAU® Joint sealing compound
- REINAU® Plastic resin primer





Anti-skid surface treatments for runways

Our PROMAK® products increase the safety and preserve the integrity of the airfield pavement. They ensure that all types of aircrafts can safely take off and land and they reduce the risk of skidding. PROMAK® products ensure a safer deceleration during landing of aircrafts and promote acceleration during take-off. They result in a coarse texture providing an ideal surface on asphalt-concrete airfield pavements.

The polymer-modified binders are especially designed for surface sealing and anti-slip treatments for areas with heavy rolling traffic.

PROMAK®A was developed to meet the strict requirements of the airfield authorities. It is resistant to kerosene and other jet fuels, to de-icing fluids and to high surface temperatures. PROMAK® surface treatments protect surfaces from weathering and UV radiation.

PROMAK® product systems for airfield pavements

- PROMAK®A
- PROMAK®A Primer
- PROMAK®PF
- PROMAK®B
- PROMAK®B plus





Custom-made products for special uses

Be it protective sealants against humidity, adhesives for ceramic tiles, roofing or sealing sheets or acid-resistant lacquers, TIB Chemicals products fulfil many specific applications and requirements. For example:

Protection against humidity

PRODOMULS® seals basement walls, concrete ceilings as well as brickwork and plaster against ground humidity according to DIN 18 195, Part 2. As a pasty coating on the basis of a solid, non-ionic bituminous emulsion achieving thick layers, PRODOMULS® can be applied to damp substrates.

Adhesives and protective sealants

PRODORIT®J Filling compound is used for acid- and liquid-resistant installations, as protective sealing on clinker pavements.

PRODORIT® Adhesive has excellent adhesion properties and good flexibility even at lower temperature. Therefore, it is suitable for sticking together bitumen-based road sheets as well as plastic-based seal sheets.

PRODORIT®M Silo, Roofing and Insulating Varnish is a universal, mild-odour bituminous lacquer resistant to acids. It serves as protective coating for wood, steel, metal, concrete and brickwork surfaces and is used in farming for food silos, potato grooves and stable equipment.

For excellent surfaces

PROMAK®US Settling compound was developed to smooth out uneven cement surfaces on bridge constructions or bituminous surfaces of parking lots. The settling compound is ready to use, easy to apply and is functional immediately after cooling down.



Products Specialties

PRODORIT®J Filling compound

PRODORIT® Adhesive

PRODORIT®M Silo, Roofing and Insulating Varnish

PRODORIT®P Lacquer

PRODOMULS® Bitumen emulsion

PRODOFIX®FC 1 Rapid cure pourable mortar

PRODODIN® Oxidised bitumen

PRODODIN®BN Sealing compound

PRODODIN®BN Lacquer 27-10

PRODODIN® Bitumen solution 17-22

PRODODIN®BF Coating 27-01

PRODODIN® Bitumen grinded

PROMAK®US Settling compound

PROMAK® Slurry





Product overview

Products	Applications
REINAU®1401 Joint sealing compound REINAU®1614 Joint sealing compound REINAU®SNV 164 REINAU® Pavement sealing compound REINAU® Joint sealing compound REINAU® Rail Joint sealing compound REINAU® Rail embedding compound REINAU® Crack filling compound REINAU® Plastic resin primer PRODOFIX®FC 1 Rapid cure pourable mortar	Road and rail track constructions <ul style="list-style-type: none"> :: Hot-applied sealings, for example based on polymer-modified bitumen :: Products for concrete and asphalt surfaces, to seal joints and cracks
PROMAK®A PROMAK®A Primer PROMAK®PF PROMAK®B PROMAK®B plus	Sealing of probe heads or induction loops <ul style="list-style-type: none"> :: Rapid cure pourable mortar based on plastic resin
PRODORIT®J Filling compound PRODORIT® Adhesive PRODORIT®M Silo, Roofing and Insulating Varnish PRODOMULS® Bitumen emulsion PRODODIN® Oxidised bitumen PRODODIN®BN Sealing compound PRODODIN®BN Lacquer 27-10 PRODODIN® Bitumen solution 17-22 PRODODIN®BF Coating 27-01 PRODODIN® Bitumen grinded PROMAK®US Settling compound PROMAK® Slurry PRODORIT® Plastic resin primer	Airfield pavements <ul style="list-style-type: none"> :: Emulsion for rough surfaces :: For take-off and landing runways :: Traffic paths for high- and low-speed rolling traffic :: For parking lots and fuel tracks
	Special products based on bitumen <ul style="list-style-type: none"> :: Filled and unfilled bitumen :: Use in acidic building structures :: Protective coatings for steel, metal or concrete surfaces :: Grinded products or custom-made bitumen :: Solvent-based bituminous lacquer



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