

About company



FRÄNKISCHE products and systems are everywhere – in roads, buildings, or household appliances. We develop and produce a wide variety of pipes, accessories as well as system components for the structural and civil engineering industry. Our key inventions – the flexible electrical conduit made of metal, its further development made of plastic, and the yellow drainage pipe – form the basis of today's product variety.

Established in 1906, the company remains a family-owned business and is currently run by Executive President Julius Kirchner.

Over time, a family group with over 5,800 employees and 17 production and sales facilities around the globe has developed. Yet despite all the internationality, FRÄNKISCHE has been and will remain deeply rooted at the company headquarters in Königsberg/Germany.

Frankische Romania SRL is part of the international FRÄNKISCHE group, a global leader in the development, production, and distribution of technical plastic conduit systems for use in various sectors: construction, automotive, industry, and infrastructure.

We focus on sustainability, continuously innovate, and adapt to market demands to deliver efficient and high-performance solutions to our customers.

Drainage systems



Water is a priceless natural resource! Water is the elixir of life! Water is powerful, and sometimes that power is very destructive. Water can damage or destroy buildings and flood roads and streets. Modern life would be unthinkable without drainage systems.

Our products and systems offer innovative solutions for the transport, treatment, storage (retention and harvesting), and the controlled discharge of stormwater. We facilitate project-related, customised system solutions: in structural, civil and traffic route engineering, in industrial and commercial engineering, for airfields or in landscaping – simply everywhere.

FRÄNKISCHE is your strong partner in drainage technology. Our customers benefit from our expertise in stormwater management and our long-standing experience in civil engineering.

Stormwater management

Impervious surfaces disrupt the natural water cycle and are the cause of flooding. Our system solutions help infiltrate stormwater or use it in a variety of ways in our storage blocks. As a sealed system, stormwater tanks for harvesting, retention and storage of stormwater can be created.

Drainage systems



Basics Stormwater management

In highly developed countries such as Germany, France or England, large parts of the natural landscape have been built-up. In Germany, the proportion is 12.5% – about half of it is paved. If rain falls on this surface, the natural water cycle is interrupted, since the water is not stored, infiltrated or evaporated sufficiently.

The challenge

Our challenge begins where rain falls on roads, squares, roofs, airports, stadiums or other paved areas: re-establishing the natural water cycle where it is interrupted and returning the water to natural storage areas. We call this challenge stormwater management.

Our competence

At FRÄNKISCHE we have been working on urban and road drainage for more than 30 years. Stormwater management has gained more and more importance in these fields and has become the benchmark for an eco-friendly performance. We know today that every challenge related to stormwater requires cooperation, systematic thinking and fast action.

The solution

For decades, our products have set the trends in the industry. They uniquely combine economy and ecology. This is how we manage to return stormwater to the natural cycle without causing flood damage in cities or municipalities.

Drainage systems



Controlled discharge

Proper discharge of stormwater – long-lasting safety and reliability

Successful and sustainable stormwater management largely depends on the controlled discharge of stormwater. To protect sewers and nearby waterbodies that are often overburdened by the approaching water masses, local communities have increasingly been defining discharge limitations. Controlled discharge of stormwater is of significant importance for flood control in streams and rivers, as well as for flood protection of sewer networks.

To ensure controlled discharge of stormwater from reservoirs and storage/infiltration systems, FRÄNKISCHE offers throttle variants for nearly any application: Depending on the protection demands of the waterbody and the requirements regarding maintenance and operation, our range of products includes ready-to-connect shafts featuring different throttle technologies.

Detention

Retention instead of flooding

If subsoil conditions are unfavourable to infiltration, the goal is to retain the stormwater and ensure a retarded, time-lagged discharge. Exposure to impulsive stress can thus be eliminated or reduced in sewer networks and waterbodies. To achieve this, systems with throttle outlets must be used. Retention trenches are a reasonably priced alternative to conventional retention channels or subsoil concrete tanks.

Plastic storage/infiltration systems are important components of stormwater management. They temporarily collect stormwater and discharge it later. Besides infiltration, the stormwater in the FRÄNKISCHE storage blocks can be used in various ways. With the RigoCollect watertight system, stormwater can be stored for stormwater harvesting, retention and storage.

Drainage systems



Harvesting

Water – particularly drinking water – is a priceless resource which should be treated responsibly and used sparingly. When drinking water quality is not imperative, it makes sense to use stormwater instead. Stormwater harvesting ranges from irrigation of greens to large-scale utilisation, e.g. for car washes.

RigoCollect® system – fire water storage

The benefits and flexibility of RigoCollect are of particular advantage for fire water storage. No matter if the tank must have a shallow design due to high groundwater levels, tapping at different points on the property needs to be facilitated using a stretched tank or, when building around existing structures, just a small part of the parking lot featuring the buried tank may be worked on so that the operation of the building is not interrupted: All that can be easily done using RigoCollect. Plastic is an ideal material for reliable long-term storage of fire water, since it is corrosion-free and ageing resistant.

Advantages:

DIN-compliant

Guarantee according to VOB

Complete system from one source

Ideal inspectability when filled

Drainage systems



Infiltration

Infiltration – giving back to nature

In highly developed industrial countries, the increase in impervious surfaces is one reason for high water, polluted groundwater and floods. Among others, new settlement areas, roads and industrial areas prevent infiltration of stormwater into the soil. The natural water cycle is therefore interrupted and must be re-established in an artificial way.

With our system solutions, we contribute to infiltrating accumulating stormwater and discharging it again into the natural water cycle. Stormwater and surface water are not wastewater. If possible, stormwater and surface water should not be diverted into the sewer system. Decentralised infiltration through underdrained swale systems, pipe swales and storage/infiltration systems returns the water to where it belongs – into the natural water cycle.

Storage/infiltration systems considerably increase the storage volume. High-performance storage/infiltration systems can be installed even in confined spaces.

Underdrained swale infiltration systems make excellent use of the protection potential of the soil, effectively removing floatables.

Pipe swale infiltration systems divert stormwater through backfilled pipe swales into the subsoil without requiring a permeable surface/undeveloped area.

Electrical systems



Broadband expansion

Fast networks require future-proof infrastructures. FRÄNKISCHE supports the electrical trade in expanding the glass fibre infrastructure and brings glass fibre from the streets right to your home. With the FFKu-Fibre net micro conduit system and the FFKu-Smart net corrugated conduit, we offer a perfectly matched product range for fast internet in each household.

Broadband expansion of the future

Working from home, smart home applications, TV, talking on the phone, and surfing: the internet is an inherent part of our lives. Powerful broadband connections are in more demand than ever.

Ecological construction

The topic of "sustainability" is gaining more and more importance as a mission statement – also in construction. Being the first provider of ecobalanced electrical conduits, we pledge ourselves to ecological sustainability in construction. If you are looking to install a sustainable and environmentally friendly electrical infrastructure, you can use the co2ntrol product range with a clear conscience.

Eco-balanced electrical conduits for more sustainability in construction

With our co2ntrol product family, we are the first manufacturer of eco-balanced electrical installation conduits with a type III environmental label.

The standardised eco-label attests to all properties that are relevant to the sustainability of building products. This Environmental Product Declaration (EPD) is an essential basis for the life cycle assessment of a building. Institut für Bauen und Umwelt e.V. (IBU), an initiative of manufacturers in the building materials industry that is committed to sustainability in construction, awards the eco-label. They consider the entire life cycle of the product during testing.

We use regenerated materials to manufacture the corrugated plastic conduits. This consumes around 60 percent fewer fossil resources such as mineral oil. Additionally, our co2ntrol designs allow us to save up to 47 percent carbon dioxide per running metre as compared to conventional electrical conduits.

Our co2ntrol product family is growing continuously. In addition to the pioneers FBY-EL-F co2ntrol and FFKuS-EM-F-105 co2ntrol, also the cable conduits Kabuflex R plus 750 co2ntrol and Kabuflex R plus 450 co2ntrol feature the environmental product declaration. We thus offer CO₂-reduced and resource-saving solutions for a forward-looking electrical infrastructure. The corrugated conduits can be used in the most common applications in the electrical trade - in the ground, in concrete and screed, as well as exposed, concealed or in cavity walls.

Electrical installations for industrial applications

Conduits protect against mechanical and chemical influences, moisture, heat and cold, abrasion, impact, and pressure – countless applications, not least including robotics, telecommunication, renewable energies, and mechanical engineering. We offer a high-quality selection of components for industrial cable protection.

FIPSYSTEMS – industrial cable protection

Various demands are placed on conduits depending on the respective application. Most of the times, these are about protection against external influences. Cable protection protects against mechanical and chemical influences, moisture, heat and cold, abrasion, impact, and noise – a sheer endless number of applications not least including robotics, telecommunications, and electronics in general. True to this importance of conduits, FRÄNKISCHE has repositioned its range of products for efficient cable protection.

The new FIPSYSTEMS product range of FRÄNKISCHE Industrial Pipes GmbH & Co. KG offers a straightforward, transparent and highest-quality selection of cable protection components. This includes FIPLOCK and FIPHEAT corrugated conduits, FIPLOCK ONE threaded connectors, and FIPMETAL metal cable ducts as well as matching accessories.

Electrical installations in residential buildings

Those who build with foresight come prepared for future challenges. Providing a sufficient amount of conduits for later use is an investment in the sustainability of buildings. Conduits provide electrical installation with a flexible infrastructure and allow you to react to new technologies instantly – without requiring lots of installation work. Our product range offers the right conduit for every application.

Infrastructure of electrical installations

Electrical conduits are the infrastructure of electrical installations. Building technology is one of the construction stages of a house which is used longest - mostly for the entire life of the building. Those who want to install only the minimum equipment in the new building for cost reasons should plan ahead and include several conduits. A professional retrofit installation of cables in the wall causes dirt and is disproportionately expensive. In addition, this is hardly possible in concrete walls. Frequently, conduits show their true value years later when owners and tenants consider buying new technical gadgets

This is why a well-planned, comprehensive installation of conduits assures the builders already at the construction stage that they can always use new technologies in their home - and this with very little installation effort. Renovation and modernisation should also be used in existing buildings to install conduits to make the house ready for the future. Electrical conduits are the right investment to make residential property future-proof and are sure to pay off in the long run.

Electrical systems



Electromobility

Electrical conduits are ideal for the preparatory charging infrastructure. This cost-effectively creates the necessary conditions for the rapid installation of charging points where they are required. At the same time, our products offer flexibility for an expansion of the infrastructure in subsequent years.

Promoting e-mobility now to prepare for later

Charging infrastructure for e-cars is mandatory

According to a new law, one million charge points are to be created and at least seven million electric vehicles are to be put in circulation by 2030. With the Building Electromobility Infrastructure Act (Gebäude-Elektromobilitätsinfrastruktur-Gesetz – GEIG) aimed at establishing building-integrated charging and wiring infrastructure, the Federal Government is implementing the EU Building Directive 2018/844 into the national legislation.

Existing Building

By modernising existing buildings, homeowners can make them fit for the future, save energy and reduce energy costs. Whether heat pumps, façade insulation, additional cables for power and data, photovoltaic systems or wallboxes for electric cars: with the versatile electrical conduits, homeowners are well equipped when modernising existing buildings.

Modernisation of existing buildings

The energy transition is a key political concern. The German government is calling for and promoting sustainable technologies and is increasingly establishing a legal framework. Many homeowners are renovating and modernising their existing buildings with energy-efficient and sustainable solutions. With our extensive range of electrical conduits, we can cover the various requirements for modernising existing buildings – whether installing a heat pump, photovoltaic systems or wallboxes for electric cars, or retrofitting data and power cables.

Our electrical conduits are designed for the renovation and modernisation of existing buildings: They protect against mechanical loads above ground on roofs or carports. Our underground conduits provide underground protection for power and data cables. The range of seals guarantees a secure building lead-through that is gas-tight and pressure-water-tight. For maximum safety and flexibility for the future of homeowners.

Future-proof construction

The Kabuflex system secures the gas-tight and water pressure-tight building lead-through of supply lines such as power and communication cables. The components perfectly match each other, thus producing an entirely safe and reliable system.

Pressure sealings

House lead-through

Cable network operators specify stringent regulations for building lead-throughs regarding connections to the low voltage system, and demand standard-compliant systems for building penetrations. Our Kabuflex system secures the gas-tight and water pressure-tight building lead-through of supply lines such as power and communication cables. The components – the Kabuflex R plus 750 co2ntrol conduit, the Kabu-IN DD and Kabu-Seal internal sealing, the wall collar set as well as the FA 150 sealing system – have been designed to perfectly match each other.

Installed in a system, they provide the pressure tightness required by the network operators. Due to the optimised green inner surface, cables can be easily inserted. If installers use the Kabuflex R plus 750 co2ntrol conduit in combination with the Kabu-IN DD internal sealing, the Kabu-Seal pressure sealing ring or the wall collar set, the building lead-through can withstand a pressure of up to 1.5 bar (water pressure tightness).

The components – the Kabuflex R plus 750 co2ntrol conduit, the Kabu-IN DD internal sealing and the wall collar set – have been designed to perfectly match each other and are available in the Kabu-FESH set.

Building lead-through

The FRÄNKISCHE range of Kabu sealing products includes conduit and cable sealings for gas- and water-tight access to the building through the foundation slab and via the basement wall.

Possible applications are gas-tight and water pressure-tight connections between the building and the garden or garage, or lead-throughs between individual industrial halls or commercial buildings.

Electrical systems



Renewable Energies

Electrical installations outdoors are exposed to other stresses than those in buildings. FRÄNKISCHE conduits made of plastic or metal withstand even severe stress from wind and weather and are specially adapted to the requirements of outdoor areas. They protect power and data lines from UV radiation, heat and moisture.

Special protection of wires and cables against UV radiation

Be it satellite dishes or solar panels, air conditioning units as well as other installations on exterior façades of residential buildings or industrial facilities – outdoor conduits must meet particularly high demands. The task of conduits is to reliably protect cables from high mechanical stress resulting from, e.g., strong wind influence. Cables must also be shielded from changing weather conditions such as rain, moisture, cold and snow, as well as UV radiation.

Years of exposure to UV radiation or weather take a lot out of unprotected cables and wires: they do not just change their colour but become brittle and flawed. This compromises the reliability as well as the function of the entire electrical installation. FRÄNKISCHE offers suitable conduits made of plastic or metal for UV protection.

Underground electrical installations

Sound underground cable protection requires one thing in particular: safe and absolutely reliable products. Be it for private or public use – our flexible and, above all, pressure-resistant corrugated conduits serve as cable or unused conduits under roads and squares. FRÄNKISCHE conduit systems protect electrical installations buried underground safely and durably.

Electrical installations buried underground

Sound underground cable protection requires first and foremost safe and absolutely reliable products. Especially the energy consumption of outdoor facilities has changed drastically over the last years. Nowadays, flexible energy options are needed for, let's say, Christmas lighting, pond pumps, fountains, audio systems which are installed with the help of cable conduits.

Along with mere mechanical protection, cable conduits enable quick and easy allocation of various media used above ground. Another practical advantage especially for electrical installations: cable conduits do more than just protect. At the same time, they can be used as conduits to allow easy retrofit insertion of additional cables and wires.

Building services



Drinking water and heating installations

Professional drinking water, heating and gas installations require absolute operational reliability! FRÄNKISCHE offers a technically superior solution to each challenge in the field of domestic engineering – quickly and flexibly. High-quality, lead-free materials coupled with the greatest variety of components.

Heat recovery ventilation (MVHR)

Boost your comfort of living through a needs-based supply of fresh air with profi-air – your optimal solution for central ventilation. The profi-air complete system ensures a constantly healthy and relaxing living climate in all rooms 24 hours a day.

Radiant heating and cooling systems

We offer flexible pipe solutions for radiant heating, radiant cooling and radiator connections. Explore now.