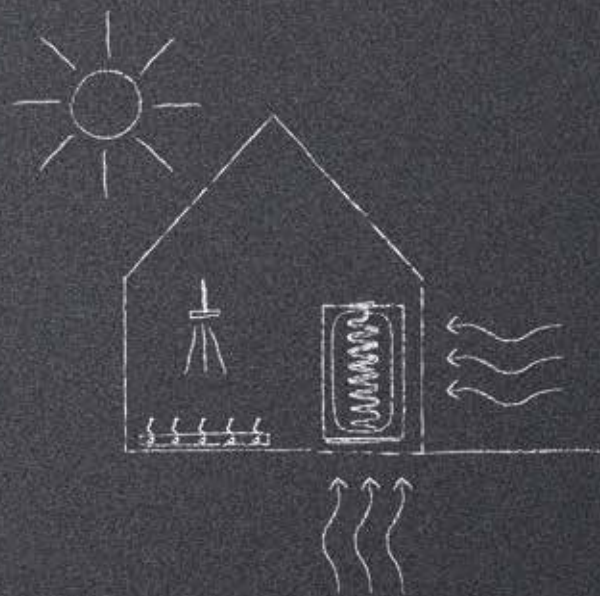


**An entire system
from a single source**



Living full of energy

Based on the slogan “Living full of energy”, Roth combines product systems from renewable energy generation through to efficient energy storage and usage, providing complete systems from a single source.

Roth





The company

your competent and reliable partner

■ Roth Werke – Living full of energy

Roth is an international manufacturer of energy and sanitary systems, offering well-known brand products via a three-tiered sales channel.

Based on the slogan “Living full of energy”, Roth combines product systems from renewable energy generation through to efficient energy storage and usage, providing complete systems from a single source.

Roth’s energy and sanitary systems are based on renewable energy and energy efficiency technologies, helping to protect the environment, conserve natural resources, reduce costs and ensure security of supply. Roth products fulfil today’s stringent environmental and economic requirements in terms of design, manufacture and operation.

■ New standards in modern building technology

Roth has been setting standards in modern building services engineering for more than 75 years through its own in-house research and development units. The company is DIN EN ISO 9001 certified and its products conform to all the applicable standards.

Its extensive field service operations ensure fast on-site support for technical and commercial issues. Roth’s hotline and project planning service is able to handle the most complex and demanding challenges. In-house training, product and software seminars and an online service round off the company’s extensive service offerings.

■ In harmony with nature

Active protection of the environment is embedded in our company principles. Conserving resources in the development, manufacture and use of our products is important to us.

Responsibility for the place where we live obliges us to ensure that we protect the environment, over and above the legal requirements. Through this, we are helping to reduce CO₂ emissions significantly. With our own environmental declaration and the establishment of an environmental management system in compliance with EMAS (ECOManagement and Audit Scheme), we are committing ourselves to continuously improving what we do for the environment.



Guide Roth radiant heating and cooling systems	Building types						Areas of application			Installation surfaces			Load-distribution/ covering layer		Insulation
	Residential and commercial buildings	Administrative buildings	Car dealerships/showrooms	Industrial/factory halls	Sports halls	Outdoor areas	New buildings	Existing buildings/renovation projects	Minimum installation height, minimum mass per unit area	Floor	Wall	Ceiling	Wet construction (screed/plaster)	Dry construction	integrated in the system
Original Tacker system	X	X	X	●			X	●		X			X		X
Flipfix Tacker system	X	X	X	●			X	X	X	X			X		
Quick-Energy Tacker system with QE high-efficiency screed	X	●					X	X	X	X			X		X
Knob system	X	X	X	X			X	●	X	X			X		X
ClimaComfort dry construction system	X	X			X		●	X	X	X			●	X	X
ClimaComfort panel system	X	X	●		●		X	X	X	X	X	X		X	X
ClimaComfort compact system	X	X	●				●	X	X	X					
Pipefix system	X	X	X	X	X	X	X	●		X	X	X	X		
Large-scale applications		X	X	X	X	X	X			X	X	X	X		
Concrete core temperature control Isocore	●	X	●	X			X	●		X	X	X	X		

●: building-specific

Roth radiant heating and cooling systems for convenient all-round comfort

- > 5-layer Roth system pipes for maximum safety
- > EVOH oxygen barrier in the centre of the pipe
- > system expertise for every area of application
- > for new-build and modernisation projects

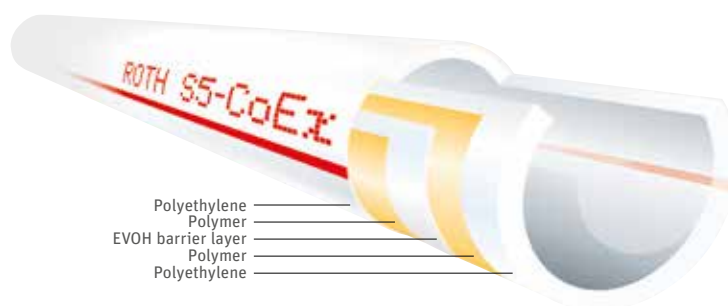


■ System solutions for every area of application

Whether for residential buildings, offices and commercial premises, industrial facilities, sports halls or open spaces – what used to be exceptional is now the norm: heating and cooling systems optimised to individual needs and cleverly designed to keep up with changing demands. It is therefore hardly surprising that the majority of planners and building owners looking for modern and advanced system solutions are now choosing radiant heating and cooling systems. The retrofitting of radiant heating and cooling systems is also gaining in popularity. The many innovations introduced by Roth over the years have made a significant contribution to this development. In addition to user comfort and freedom of architectural design, the decisive criteria in the selection of a radiant heating and cooling system are energy savings, hygiene and environmental protection.

■ Roth system pipes

Profiting five times over from a professional system. In order to meet the demanding requirements they have to fulfil on site and during transport, the Roth DUOPEX S5, X-PERT S5+ and KlimaComfort S5 system pipes are constructed in five layers. These are inseparably bound together by means of the S5 CoEx technology to create a sandwich material with a high level of robustness and a long service life.



Roth radiant heating and cooling systems

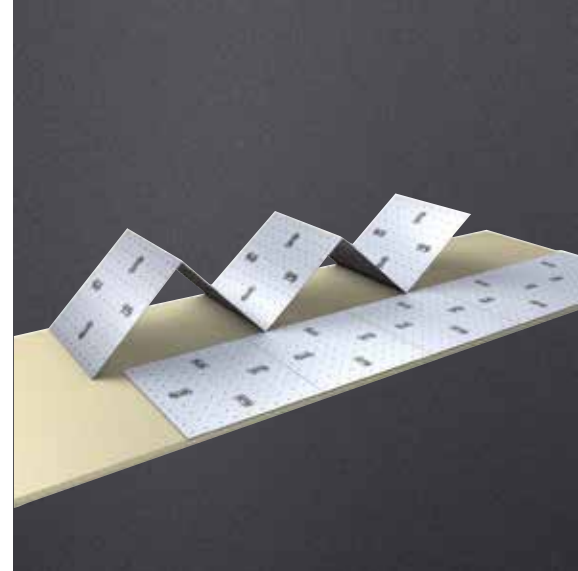
system solutions for all areas of application



Roth Original Tacker system



Roth Quick-Energy tacker system



Roth Flipfix tacker system

■ Roth Original Tacker system

The Roth Original Tacker system (which has proven its worth a million times over) used in conjunction with Roth DUOPEX S5 and X-PERT S5+ system pipes provides the ideal foundation for creating a heating supply system that will retain its value in the long term.

The high-quality ex-works prefabrication of all system components – pipe, composite panel and accessories – makes it possible: the complete Roth radiant heating and cooling system is laid in only three work steps using the patented Tacker technique. Phase of assembly with a high degree of flexibility, paired with operational and building site safety and superior efficiency, characterise Roth radiant heating and cooling systems – even with unusual floor plans.



■ Roth Quick-Energy tacker system

The Roth Quick-Energy tacker system for radiant heating and cooling is ideally suited for residential construction and commercial property solutions in both renovation and new-build projects.

It combines the quickest energy supply with the greatest convenience with regard to comfort and impact sound insulation. The slimline radiant heating and cooling system with QE high-efficiency screed uses the wet construction method and requires pipe coverage of just two centimetres. Thanks to its 60-mm installation height, rapid response is guaranteed.

The Roth Quick-Energy tacker system is the cutting-edge addition to the highly successful Roth Original Tacker system.

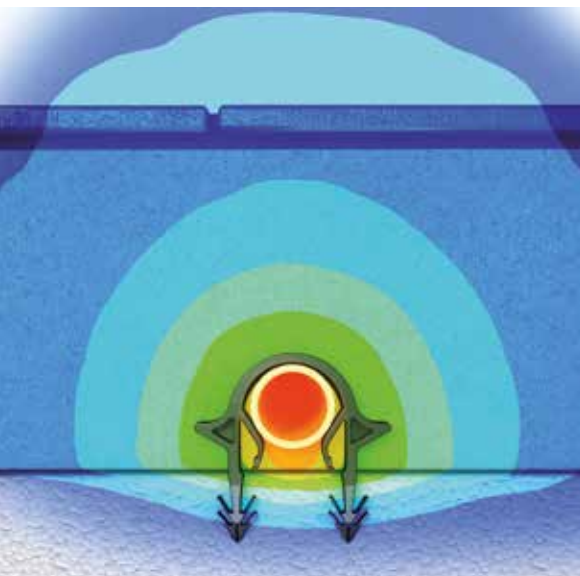
With its reduced pipe coverage of only 13 mm, the Roth Quick-Energy tacker system model type with a self-adhesive QE static mat meets the relevant standard when used with standard screed. This ensures short construction times in terms of being quickly ready to be covered and releasing less building moisture in comparison to assembly constructions with thicker layers of screed.

■ Roth Flipfix tacker system

Roth provides the Flipfix tacker system for use as a supplement to existing insulation in radiant heating and cooling systems. It is suitable for use where insulation made of conventional EPS and PU materials, as well as mineral insulation materials, is installed on site.

The comprehensive system solution for radiant heating and cooling is the new Roth Flipfix panel, Roth Original Tacker E^x clips combined with Roth system pipes. The two-millimetre-thick Roth Flipfix panel with a zig-zag fold is available in prefabricated five-metre strips and is easy to unfold and quickly lay at the construction site without producing any waste.

The easy-to-install system is fitted using the tried-and-tested Roth Original Tacker laying technique.



Roth Original Tacker E^x clips

■ **Roth Original Tacker E^x clips for comprehensive energy transmission**

Roth Original Tacker E^x clips are fitted with a pipe up-lift function, which ensures that they are installed at a predefined installation depth independently of the dimensions of the pipe. This function guarantees better energy distribution, as the screed always fully encases the pipe, even if the screed is slow-flowing. When used together with our new double barb component, the laying method delivers multiple **benefits** in terms of **energy efficiency, comfort and safety**.

■ **Scientifically proven**

Independent studies by the German testing body 'Institut für methodische Analysen' confirm the practical benefits of Roth Original Tacker E^x clips and their conformity with industrial standards. The way that E^x clips lift up the piping gives underfloor heating faster response times and improves control when the temperature changes. Test measurements show that the floor material **warms up up to 15 percent faster** when the pipe up-lift function is used.

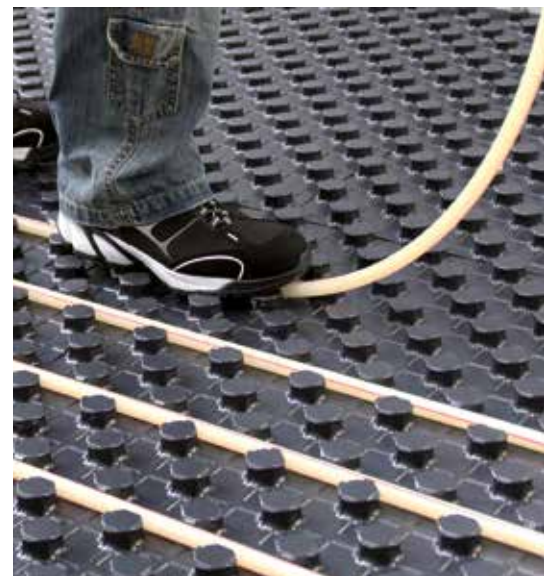


Roth Quick-Energy tacker system

■ **Roth Original Tacker Speedstar**

Boasting a slimline housing and weighing just two kilograms, the Roth Original Tacker Speedstar stands out with its capacity of 135 Roth Original Tacker E^x clips. The magazine is filled quickly and simply by pushing the welded clip magazine in from above. This significantly reduces the number of times the magazine has to be reloaded during pipe installation.

While laying the pipes, the spring-assisted mechanism means the tacker does not need to be lifted up. The preformed slant in the housing then allows the tacker to glide easily over the clips. The extremely short lifting distance makes it possible to place pipes with very little time or effort required. The Roth Original Tacker Speedstar is height adjustable and can be adjusted to the height of any user. The tacker handle also ensures optimal force transmission and secure handling.



Roth knob system

■ **Roth knob system**

The Roth knob system is characterised by a high degree of flexibility and straightforward assembly. The undercut and ideal shape of the knobs enable Roth DUOPEX S5 and X-PERT S5+ system pipes in sizes of 14 to 17 mm to be attached to Roth knob panels (which also come in sizes of 14 to 17 mm).

The pipes can be laid either orthogonally or – with the aid of an additional film – diagonally. The Roth knob system is suitable for laying in residential, office and commercial buildings.

Roth radiant heating and cooling systems

innovation and performance for modern living spaces



Roth Climacomfort compact system



Roth Climacomfort panel system



Roth Climacomfort dry construction system

■ Roth Climacomfort compact system

The Roth Climacomfort compact system is a heating and cooling system which is particularly well suited to renovation projects. The extremely low, 17-mm flat installation set-up and the resulting high system reaction speed open up new opportunities for planning and installation. This makes things easier and more convenient for the building contractor. The 14 mm high Climacomfort compact system panel is made of a partially crystalline material. The material and the unique panel structure are responsible for the great stability and toughness combined with flexibility. This ensures a high degree of resistance to impact, even though it is easy to install. The self-adhesive system panel is mounted on the existing subsurface. The special panel structure with undercutting enables reliable installation of the system pipe in a spiralling or meandering form in a 75 mm grid. It is possible to arrange the pipes diagonally at intervals of 105 mm.

■ Roth Climacomfort panel system

The Roth Climacomfort panel system transforms floors, walls and ceilings into highly efficient and responsive surfaces that distribute energy in order to heat and cool rooms. Roth has developed one type of panel that can be used for all applications. Storage and installation require minimum effort and offer maximum convenience. Unlike conventional wall-mounted radiators, the Roth Climacomfort panel system provides an even amount of radiant heat from all sides, resulting in a pleasant room temperature with no circulation of air. Practically the entire surface area of a room's walls, floor and ceilings can be used for heating/cooling purposes. For example, in winter a room can be heated via the floor and/or walls, whilst in summer it can be cooled via the ceiling and/or walls.

■ Roth Climacomfort dry construction system

The Climacomfort dry construction system developed by Roth features a minimum installation height of just 43 mm including covering (the load distribution layer).

For easy installation, only one type of system panel is used. This ensures that installation is straightforward, secure and quick and allows for flexibility in its application. The Roth Climacomfort dry construction system panels can be combined in all orientations along the 30-cm grid and can be cut to size to fit the geometry of the room. The panel structure permits the heat-conducting lamellas to be affixed simply and securely in various directions. This makes the system particularly suitable for renovation projects and permits a wide range of architectural design freedom, even if the room in question poses difficulties.



Roth Floorfix

■ Roth Floorfix

Heating circuit distributors are often installed in halls or corridors. All the surrounding rooms usually have a temperature of at least 20 °C (24 °C in the bathroom), which means that it is not always possible to guarantee a room temperature below 20 °C in the hall or the corridor when the room is being used as intended. There is no, or minimal, heating load in these rooms.

Also rooms smaller than 6 m², e.g. supply closets, for which the GEG specifications do not require individual room control, must be protected from overheating and surface temperatures that are too high.

Roth Floorfix, the system solution for passageways fulfils these conditions. The system ensures that the release of heat is controlled and the temperatures in passageways are regulated.



Pre-assembled manifold stations

■ Pre-assembled manifold stations

The manifold stations are available pre-assembled in different versions from stock, or they can be individually constructed based on the customer's needs and delivered ready for connection. The manifold site can be marked in the object area. Depending on customer requirements, the delivery of doors and frames can be delayed.

Benefits:

- > sources of error are minimised
- > optimised material flow at the construction site
- > including templates for protection during plastering
- > flush-mounted cabinet door receives extra packaging for delivery

■ Quality made to measure

The ready-to-connect distribution systems can be used for all common installations. Whether you're after surface or flush-mounted cabinets, manifolds made of brass or plastic – at Roth, you can find the perfect solution for any site requirements.

Roth large-scale applications

flexible, resilient and efficient



Roth industrial and outdoor heating



Roth sport floors



Roth Isocore concrete core temperature control

■ Roth industrial and outdoor heating

Demanding structural and static requirements, such as those associated with industrial and open spaces, call for Roth radiant heating and cooling systems based on our pipe fixing system. When laying pipes with dimensions of 20 to 25 mm, the system also offers flexibility in terms of installation arrangements and distances. In addition, it is ideally suited to heating and cooling via walls and ceilings. Thanks to its flexibility, it makes installation easy in any floor, wall or ceiling constructions adapted to meet individual building requirements on site. Aside from housing construction, the system can also be applied to industrial premises, commercial and office spaces, exhibition rooms, museums, universities, schools, churches, sports and multifunctional halls, open spaces and undersoil sports field heating, and stadium construction.

■ Roth sport floors

Roth offers a specially developed pipe fixing system solution for flexible-surface sprung floors. The support elements for incorporating and securely fixing the system pipes at the measured installation distances consist of a prefabricated plastic profile with integrated pipe holders. It is also possible to install the elements on top of the insulation layer or the existing substructure. It can also be combined with the various sprung floor constructions supplied by the different sports floor manufacturers.

Flexible-surface sport floors with an elastic layer (sandwich construction) are produced using the Roth ClimaComfort dry construction system TBS or the Roth ClimaComfort panel system. Even mixed elastic sport floors of construction type A and B as set out in DIN V 18032-2 can be built in line with the applicable standards and practices using the various Roth system solutions.

■ Roth Isocore concrete core temperature control

Roth Isocore concrete core temperature control enables a building's temperature to be heated and cooled through the integration of the water bearing pipe system in solid concrete ceilings and wall modules, making use of their capacity for storing energy. Roth Isocore concrete core temperature control is ideally suited for use in the construction of new office and administrative buildings with high concrete core heat storage potential. Thanks to low system temperatures when heating is required and the relatively high system temperatures when cooling is what is needed, Roth Isocore can be used in combination with renewable energy sources, such as solar and heat pump systems, to excellent effect. The Roth Isocore is an energy-efficient, environmentally friendly and forward-looking system designed for all-year-round building temperature control with ecological concerns very much in mind.



Roth connection modules

■ Roth control technology

Roth controls for individual rooms guarantee the highest levels of efficiency and effectiveness. They are specially adapted to the needs of the application and are extremely easy to use. Due to the very small amount of wiring work it requires, wireless control, while it is also excellent for new builds, is particularly suitable for renovation projects.

■ Roth Basicline

The Roth connection modules provide a fast, easy to understand and secure connection between the in-room thermostats and the system actuators. The high-quality, compact housing can be fitted quickly and easily onto standard top-hat rails or directly onto the rear wall of the switch cabinet. Actuators, an integrated fine-wire fuse and standard robust cable clamps ensure quick and safe connections. Roth Basicline connection modules are optimised for all Basicline series thermostats.



Roth Touchline SL

■ Roth Touchline SL

The Roth Touchline SL control system is a modern radio control system that is suitable for individual temperature control of surface heating and cooling systems in all types of buildings. It offers numerous system solutions for renovation and new buildings.

The Roth Touchline SL radio control system is suitable for heating and cooling. Control is optionally possible via app and remote access from anywhere. A system configuration can be carried out via the radio connection module and via the app. The energy-efficient individual room control has two connection modules with 8 channels each.

The master connection module is suitable for assigning up to four wireless connection modules. Up to 40 heating zones can be integrated in the system network. The control panel has a large illuminated display and intuitive menu navigation in nine languages.

■ Roth Touchline PL

The Roth Touchline PL radio control system is used for individual room control in buildings with underfloor heating. The system consists of a radio connection module with 8 channels, as well as wirelessly connected radio room control units and optional radio floor temperature sensors.

The wireless connection module has a display and a control panel and enables the connection of the room control units. It provides an overview of the installed room control units with the associated temperatures. The signal strength can be easily read for each room control unit, which simplifies positioning. The thermostats are available as a radio room control unit with a small display for temperature indication and sensor buttons and as a radio floor temperature sensor for monitoring the minimum/maximum floor temperature, which is set via the control panel on the radio connection module.

Roth FlatConnect apartment station

the compact, decentralised thermal output in multi-family dwellings

- > flexible
- > hygienic
- > comfortable



■ All-round comfort at the highest level

The Roth FlatConnect apartment station controls the thermal output for room heating and drinking water heating in the individual apartments of a multi-family home, for new builds and renovation projects. It combines the advantages of central heat generation with the advantages of decentralised drinking water preparation.

The current range of Roth FlatConnect apartment stations includes two power levels with tap rates for drinking hot water of 15 and 20 litres per minute. The Roth FlatConnect apartment stations with an integrated radiant heating module are suitable for apartments with a heating requirement of up to 8 kilowatts.

■ The practical modular system

The design concept of the FlatConnect is based on modular construction, which gives maximum flexibility when planning apartment buildings with individually outfitted apartments. Roth service includes pre-assembly of the Roth FlatConnect mounting cabinet with the ball valve strip and heating circuit distributor, including the connection set, based on the needs of the project. The Roth apartment stations can also be retrofitted to fit new requirements by following some simple installation steps.

■ The variants

There are eight different basic modules with various technical equipment to choose from based on the structural conditions of the individual apartments. The simplest configuration offered by Roth is FlatConnect as a fresh water station for pure drinking water preparation. Further apartment stations are planned, which will also allow for the integration of radiant heating systems and high-temperature applications such as radiators in the bathroom. Drinking water circulation can be integrated at every expansion stage.

The equipment variants for heating applications* have a pre-assembled electrical connection box, factory-wired circulation pumps.

The easy-to-install Roth FlatConnect apartment stations are available for exclusively surface-mounted installation or for use in surface-mounted and flush-mounted mounting cabinets. Roth uses field-tested, high-quality components and materials for the apartment stations. The overall concept guarantees low-maintenance operations.

■ Apartment stations for low-temperature systems

The new generation of FlatConnect apartment stations are now also particularly suitable in combination with low-temperature systems on the primary side. Roth is thus adding a solution for the efficient operation of a heat pump to the Roth FlatConnect product series. The product series for low-temperature systems has a domestic hot water draw-off rate of 14 litres per minute. With a tap temperature of 50 °C, this results in a necessary system flow temperature of 55 °C, which enables efficient operation of a heat pump. The heart of the product series responsible for this is the innovative hydraulic control valve, which allows a heating medium excess temperature of only five Kelvin. This makes it possible to integrate efficient low-temperature heating systems such as the Roth heat pumps in the different variants.



Roth FlatConnect apartment station

Roth pipe installation systems

system-based drinking water installations and radiator connections



Roth radiator connection



Roth drinking water installation

■ Drinking water is one of life's essentials – and we want to ensure it's always of the best quality

Drinking water plays a vital role in our day-to-day lives. Whether you are using it for preparing meals and drinks, keeping yourself clean, washing items that have been in contact with food or doing laundry – drinking water is a precious commodity and we need it to be supplied in perfect quality.

Conventional materials, connectors and connection methods cannot be used for drinking water installations in many areas and regions due to the continuously changing quality of the water. Various factors, for example excessively high or low pH values, free carbon dioxide and chlorides in the water etc., can lead to problems with corrosion in conventional drinking water systems, causing additional contamination.

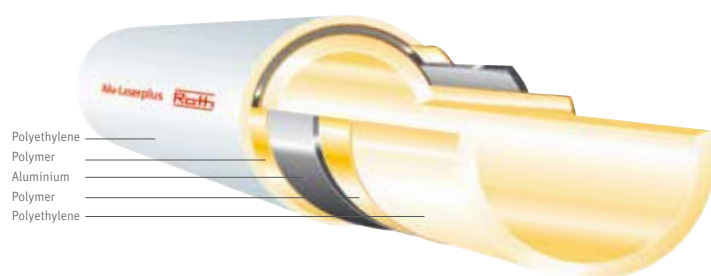
Conventional installation systems and materials are no longer able to cope. The Roth drinking water system prevents incrustations, deposits and corrosion.

Designed as a universal complete solution compatible with all types of installation in modern building infrastructure systems, it combines numerous advantages.

All system components are developed based on practical application and coordinated with each other. Premium materials, quality-controlled production and system approval according to DVGW (Deutsche Vereinigung des Gas- und Wasserfaches e.V. = German Technical and Scientific Association for Gas and Water) are all key features of the Roth drinking water system.

All components of the Roth drinking water system meet the requirements of the revised German drinking water regulation and DIN 50930-6.

The Roth drinking water system can be used without restriction for all grades of drinking water.





■ Roth radiator connection

The Roth radiator connection system is designed for universal use as a complete solution that is compatible with all types of connections. The simple, time-efficient and cost-effective installation offers maximum reliability thanks to the Roth Alu-Laserplus system pipe. The practical system technology relies on just a few, perfectly matched components.

With its universal portfolio of fittings, the Roth radiator connection system enables a range of connection options from the heat source to every radiator in a building. The system components can easily be combined in a variety of ways to create connections above the floor, out of the wall or out of the skirting boards, using one- or two-pipe systems or a combination of the two. The radiators can be connected to a manifold or directly to the ascending pipes. The system can be used in combination with standard radiators and heat sources.

■ Roth drinking water installation

Different types of connections can be used in a construction project to meet the various engineering and commercial requirements involved.

Roth system solutions support T-configurations, single connections to floor manifolds or circular configurations. The Roth drinking water system provides everything you need for your installation project, starting from the house service connection and continuing with the ascending pipes to the points of use.

Whatever the nature of your installation (dry construction or mounted on the wall surface or in channels), the Roth drinking water system offers all the right system components for connections at the points of use.



All system components of the Roth drinking water system meet the requirements of the amended drinking water ordinance and DIN 50930-6.

The Roth drinking water system can be used without hesitation for all drinking water qualities.

Benefits of Roth drinking water installation at a glance

- > Alu-Laserplus system pipe with 5 functional layers
- > easy, convenient installation
- > secure connections
- > a variety of options available
- > high pressure and temperature stability
- > reduces noise
- > oxygen barrier
- > incrustation-free and corrosion-resistant

Roth pipe installation systems

system-based drinking water installations and radiator connections



Roth drinking water installation

■ Ease of installation and safety combined in one system

The Roth range of pipe installation products with PressCheck function offers system solutions for sizes up to 63 mm. The systems consist of Roth Alu-Laserplus multi-layer pipes and Roth plastic fittings. Rohr metal fittings for threaded connecting points and connectors round off the Roth pipe installation range. The fittings are attached to the pipe using Roth radial press fitting technology. In this way, the Roth pipe installation range ensures secure, non-detachable, form- and force-fitting connections in drinking water and heating installations. The innovative system components provide enhanced ease of installation and safety.

In addition Roth provides comprehensive warranty for the coordinated system. System tests according to DVGW Worksheet W534 and DIN EN ISO 21003 testify to the system's efficiency.

■ Heating installations from the heat source to the radiator or manifold

Integrated heating installations can be realised quickly and without problem using the comprehensive product range of the Roth pipe installation system. The coordinated system components cover:

- > various control stations for temperature precontrols
- > diverse combinations of connections for radiators
- > hydraulic components for floor heating manifolds

■ Wide variety of Roth T-connectors

The Roth Werke range of fittings offers unparalleled depth. No matter what installation situation you are faced with, T-connectors in various graded sizes are available for fast and cost-effective installation without having to resort to additional reducing elements or other shaped parts.





■ Approved to international standards

Germany 	Denmark 	Denmark 	England 	Finland 
The Netherlands 	The Netherlands 	Norway 	Austria 	Austria 
Poland 	Russia 	Sweden 		

Roth solar systems

harnessing the sun with state-of-the-art technology

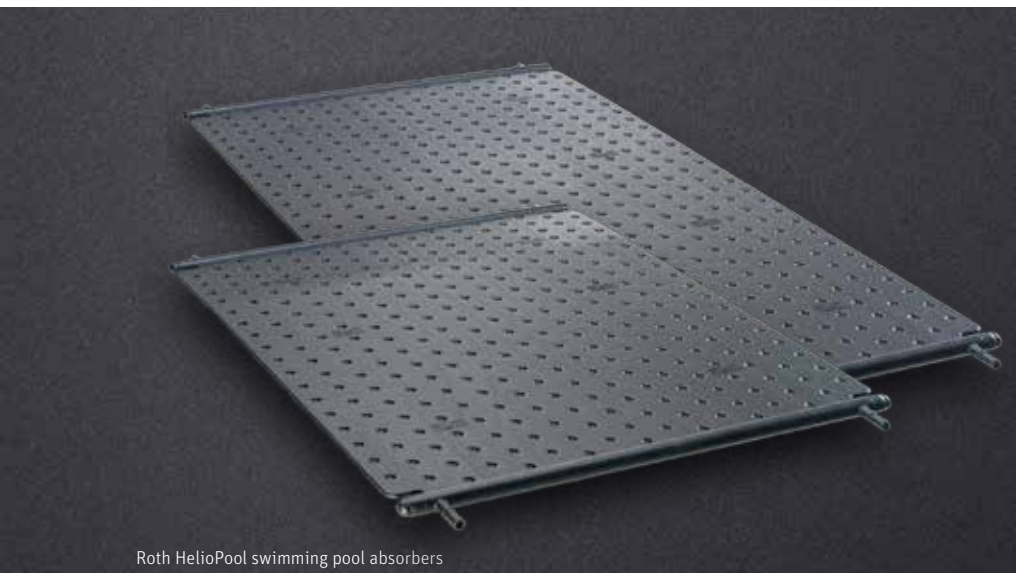


Roth HelioPool swimming pool absorber



Small plant Roth HelioPool swimming pool absorber Nordhorn, Germany





Roth HelioPool swimming pool absorbers



Roth HelioPool swimming pool absorber

As a specialist processor of plastics, Roth developed the HelioPool swimming pool absorber using high-quality, high-density polyethylene (PE-HD). It is suitable for use as an environmentally friendly and energy-saving method of pool heating using the constant flow principle.

The CoEx process used in the manufacture gives the absorber a two-layer material structure with different characteristics. This results in a high level of stability and weather-resistance, guaranteeing the durability of the HelioPool.

The outstanding features of the Roth HelioPool absorbers are its optimal sizes of 1,2m²/2,22 m² and its high degree of efficiency. It boasts full-surface throughput, frost-resistance* and sufficient strength to support the weight of a person and is suitable for the direct flow-through of swimming pool water. The absorber is specially designed with the ideal thickness to guarantee low pressure loss.

* Frost-resistant if combined with antifreeze. If antifreeze is not used, the Roth HelioPool swimming pool absorber must be drained if there is a risk of frost.

CoEx process (two-layer principle)



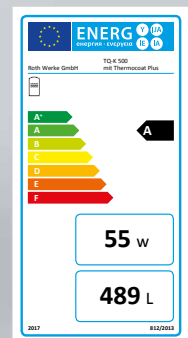
Benefits of Roth HelioPool at a glance

- > one size fits all
- > high level of efficiency due to optimum absorber size
- > high-quality absorber material made from PE-HD
- > safe and economical

Roth Thermotank Quadroline

thrifty, lightweight, space-saving, flexible

up to
65%
less heat loss*



Roth Thermotank Quadroline

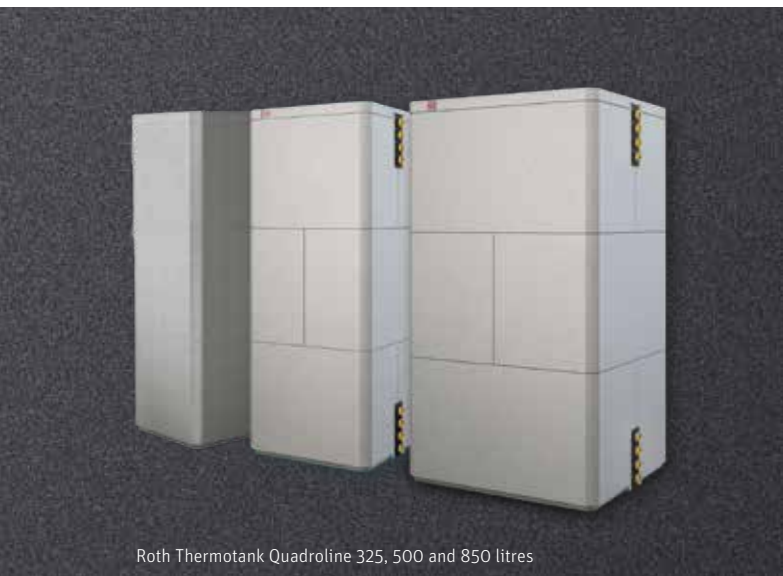
■ Roth Thermotank Quadroline – the new generation of plastic storage tanks

The innovative Roth Thermotank Quadroline in its 325, 500 and 850 litre models sets new standards in heat storage technology – in terms of energy efficiency, weight, space-saving design, hygiene, flexible operation and resistance to corrosion. The Roth Thermotank is the world's first plastic composite heat storage tank (using fibre/plastic composite technology) to function as a pressure tank with aluminium diffusion protection.

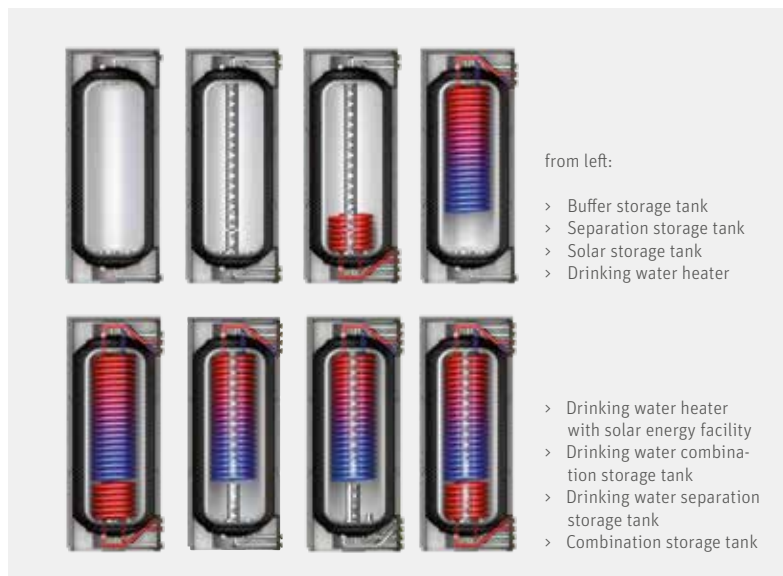
*as compared against standard steel storage tanks

■ Cost comparison for heat storage tanks

	Roth	other manufacturers		
	Quadroline PE-RT and composite, high-performance 100 mm insulation	Storage tank type 1 Stainless steel, 100 mm insulation	Storage tank type 2 Enamel-coated steel, 100 mm insulation	Storage tank type 3 Enamel-coated steel, 80 mm insulation
Energy efficiency				
Energy loss				
Weight				
Purchase costs				
Maintenance costs				
Energy costs				
Total costs				
Purchase + Maintenance + Energy costs	1st year			
	2nd year			
	from 3rd year			



Roth Thermotank Quadroline 325, 500 and 850 litres



from left:

- > Buffer storage tank
- > Separation storage tank
- > Solar storage tank
- > Drinking water heater

- > Drinking water heater with solar energy facility
- > Drinking water combination storage tank
- > Drinking water separation storage tank
- > Combination storage tank

■ A secure investment in the future

When it comes to using renewable energy, it is essential to choose the right storage tank for your hot running water and central heating water to ensure efficient energy consumption. The new storage concept enables hygienically safe and forward-looking integration into the domestic drinking water system, as well as offering the possibility to use solar energy. The tank is extremely light, only around a third of the weight of a comparable conventional steel storage tank, which makes for easier transport and installation.

■ Versatility

Thanks to its construction, the Roth Thermotank Quadroline is versatile and can be used in customised system solutions as a stand-alone storage tank or in combination with other devices. For example, it can be used as a central unit in heating applications, as a solar or combined storage tank or for heating drinking water. The Roth Thermotank Quadroline models can be integrated directly into heating systems with a maximum continuous operating pressure of up to three bar.

The new compact shape of the Roth Thermotank Quadroline makes optional use of every square centimetre of space.

■ Easy to install in the cellar

Even with large volumes, the Roth Thermotank Quadroline is quite easy for two people to transport up or down steep, tight staircases or through narrow doors to get into a building. This makes it particularly ideal for use in renovation projects as well as new buildings. Thanks to the low pivot measurement, the tank can also easily be installed in cellars with a low ceiling height.

Benefits of Roth Thermotank Quadroline at a glance

- > pressure-resistant for direct integration into the heating system
- > diffusion-resistant with aluminium diffusion protection
- > corrosion-resistant inside and out thanks to its plastic materials
- > light and compact: the ideal solution for both renovations and new buildings
- > hygienic operation when heating drinking water
- > efficient heat storage by minimising heat loss
- > easy to combine with all heat sources

Roth PTH wall console

the ideal storage for excess PV power

- > easy to install
- > highly efficient
- > especially hygienic
- > ready for connection



Roth PTH wall console

■ Excess photovoltaic power – energy-efficient heating with solar energy

Owners of PV systems can use excess power they have generated themselves to heat up buffer and drinking water storage tanks. The Roth PTH wall console is particularly suitable for systems which have expiring feed-in tariffs. It is designed for simple, direct installation on the storage tank to generate an energy-efficient, steady high-temperature stratification.

The high temperatures ensure comprehensive protection from legionella. The external heating element can heat up to a maximum storage temperature of 85 °C. The heating insert can output up to 3.5 kW (PV IOT 0-10 V, 400 V, 7-stage).

The Roth PTH wall console consists of a console rear wall, a hydraulic unit and insulating housing. An electrical connection box is available separately. This is prepared for a customer's own energy management system and can be selected according to size requirements. The system can be controlled via an app.



The ready-to-connect Roth PTH wall console converts electricity into heat.

DO
MORE
OF
WHAT
MAKES
YOU
HAPPY.

DO
MORE
OF
WHAT
MAKES
YOU
HAPPY.



Roth heating oil tanks

unbeatable quality products



Manufactured with double walls



■ Roth heating oil tanks

Oil heating is still an economical and environmentally friendly heating technology – it is good value and unmatched in terms of safety. The complete heating system also includes the economical, space-saving and unproblematic storage of the fuel. This is exactly what Roth heating oil tanks are designed to do.



Roth plastic tray tanks 750 l-C, 1 000 l-R, 1 000 l-C and 1 500 l-R



Roth double-walled tanks 750 l, 1 000 l and 1 500 l

■ **Roth KWT – The quality tank in standard design**

The Roth KWT is made entirely of plastic, with a polyethylene inner tank and a plastic tray. The edge of the shell connects to the tank on the inside to form a single functional tank unit. The compact design gives the Roth KWT extremely high strength without straps or beads. Smooth walls with a band-shaped bulge in the top part give it an unmistakably modern design.

The diffusion layer is achieved by material upgrading for all single- and double-walled polyethylene tanks. During Roth's TÜV-tested 'CoEx-PA-Blend' procedure, polyamide blend is deposited in accordance with the Selar procedure. It reflects the state of the art. The Roth KWT has passed the 30-minute standard fire test at the MPA, Dortmund.

■ **The plus 3 double-walled tank for maximum safety and quality of living**

The DWT plus 3 is tightly sealed using Roth's steel meltpress process. A leak probe enables the tank interspace to be monitored for safety. Being completely contained within leak-monitored metal, the DWT plus 3 truly is double-walled all around. The PE inner tank and the steel outer tank, which is tightly sealed all around, are tightly and firmly joined in the vicinity of the tank connection. TÜV has certified the quality of the DWT plus 3, which is based on the steel meltpress process.

The unique quality features of the DWT plus 3 offer maximum safety and enhance the home environment:

- > fire-proof
- > opacity and diffusion resistance
- > flood-protected

Benefits of Roth heating oil tanks at a glance

- > decades of experience
- > diffusion protection
- > fire protection
- > permanent odour absorption
- > extensive new product range for new buildings and renovation work

Roth storage and transport tank

our experience for your safety



■ Unitech and Multitech storage and transport tanks

Goods that need to be handled carefully are a common part of our everyday lives. Ensuring safety and protection when storing water-hazardous liquids and transporting hazardous goods requires particular care. Care that is guaranteed with our own unique design underpinned by design and transport certificates. With its Unitech and Multitech tanks, Roth offers the right storage and transport solution.

Unitech/Multitech tanks are the result of the latest design and production technology. The inner tank is made of tried-and-tested high molecular PE-HD, which is blow moulded without seams. The outer tank consists of steel plate galvanised on both sides. The patented beading protects the materials and joins the steel plate outer tank to the PE-HD inner tank in a firm and permanent manner. The outer tank acts as a collecting tray with a 100% collection volume in relation to the inner tank. A leak probe integrated as standard monitors the tank interspace.



Roth Multitech 400, 750, 1 000 and 1 500 l



Roth Unitech 400, 750, 1 000 and 1 500 l

■ **Roth Multitech tanks – transporting hazardous goods safely**

Multitech containers are approved for transporting hazardous goods of packaging group II or III. They are suitable as bulk packaging for transporting hazardous goods (liquids) in accordance with the dangerous goods regulation on transport by road, rail and inland navigation (GGVSEB), and in accordance with the dangerous goods regulation on transport by sea (GGVSee). The fixed base frame allows fork lift trucks or pallet trucks to get underneath. The specially shaped base frame also provides all-round buffers and transport protection.

■ **Roth Unitech tanks – for fixed-position configurations**

Unitech tanks have general technical approval to be used as individual storage containers for water-hazardous liquids with a flash point >55 °C, for fixed installation in rooms of buildings without additional collecting space.

■ **Roth pump sets for heating oil / diesel and lubricants**

The combination of a Roth Unitech or Multitech tank and a pump for diesel/ heating oil or lubricants makes it possible to use a self-sufficient private consumption point. The tanks come standard with a counter mechanism and all the necessary connection components. The pump unit is completely pre-assembled and delivered with the tank.

This guarantees a hassle-free installation that saves a lot of time with just a few assembly steps, because the unit only has to be hung on and attached to the body of the tank on site. The standard counter mechanism ensures verifiable, always precise volume output.

Benefits of Roth storage and transport tanks at a glance

- > “Made by Roth” – 50 years of experience and expertise
- > the steel guarantees total opacity and diffusion resistance
- > outstanding fire protection
- > optimum stability and shape
- > extensive product range available in 400, 750, 1 000 and 1 500 litre sizes
- > a variety of connection options

Roth rainwater and drinking water systems benefiting both people and nature

By using rainwater and small sewage plants, we can play a hugely significant role in conserving our water resources and shaping our daily lives in an environmentally friendly and economic way.



Roth Twinbloc low-profile storage unit

■ Roth rainwater storage tanks – using and storing rainwater

One of life's essentials water, is a valuable commodity which is becoming ever scarcer. The use of rainwater to conserve drinking water has gained considerable momentum as a supplement to modern water-saving sanitary technology in private and public buildings as well as in a variety of commercial sectors. The use of rainwater also plays a crucial role in managing rainwater in urban areas:

Retaining rainwater in storage tanks and making use of it helps reduce and inhibit water runoff from urban areas. Roth storage systems for rainwater and waste water support an energy-efficient and cost-conscious approach to using water.

Roth offers:

- › Roth rainwater tanks for underground or above-ground installation for residential buildings and commercial applications
- › industrial storage systems for commercial use such as nurseries or washing systems
- › infiltration and treatment systems for rainwater

■ Roth Twinbloc low-profile storage unit

Thanks to its excellent shape and extremely low-profile design, the Roth Twinbloc low-profile storage tank offers considerable advantages in terms of installation. Compared to traditional rainwater tanks, the excavation work required for the pit can be reduced by up to 46%. The shallow installation depth even enables installation at sites with a high water table. The two parallel cylinders provide additional stability.

The Roth Twinbloc is available in 1 500, 3 500 and 5 000 litre versions. Together with the appropriate accessories, Roth offers a complete system for professional rainwater utilisation. The PE tanks are stable in the ground and can be driven over by cars.

■ Roth domestic storage units

Roth domestic storage units in 750, 1 100, 1 500 and 2 000 litre versions store rainwater for domestic use. Basic domestic storage units have a DN 50 inlet with inlet stabilisation and a DN 100 outlet with an integrated overflow siphon and small-animal barrier. Domestic storage units can be linked together via T-connector or elbow universal flange connections, or using Roth connection accessories.

■ Roth collection tanks with and without filter basket

Roth collection tanks store rainwater for your garden. The tanks have a welded-on manhole shaft with a cover which can be walked on (550 mm high). There are two DN 100 pipe ends welded to the front of the tanks, one for inflow and the other for overflow. As the tanks are designed for standalone installation, they do not have lower flange connections. An immersion pump can be used to extract water via a screw connection on the top of the tank. The dome shaft has a fixed length of 550 mm.

■ Roth retention tank

Roth retention tanks are available in the sizes 3500, 5000 and 6000 litres and as a coupled version in the sizes 7000 and 10000 litres.

The retention volume defines the amount of water that is buffered by the tank and then released into the sewer system in a controlled manner with delayed discharge. The tanks are available as standard are available with 50 % or 100 % retention volume.



Roth domestic and industrial storage units

■ Roth drinking water storage tank

The Roth drinking water tanks come in 750, 1 100, 1 500 and 2 000 litre versions and are designed to store drinking water in buildings. They are suitable for installation above ground. The tanks are an opaque green colour, preventing the growth of algae. All tank sizes are equipped with a DN 100 pipe connection at the front. There are two screw connections with 2" internal thread on the top of each tank.

The drinking water storage tanks have a flange connection sealed with a blind flange at the bottom of the tank, providing several connection options for different uses.

■ Roth round ground rainwater storage tanks

Roth round ground rainwater storage tanks are available in 3500, 4500 and 6000-litre sizes. The tank is formed in one piece, consists of high-quality PE, is stable underground and can be driven over in a car. The DN 600 telescopic dome shaft is supplied within the scope of delivery with every tank as standard and can be adjusted to any excavation depth.

Tanks can be coupled by means of a lower DN 100 connection line.

■ Roth Monobloc rainwater ground storage tank

The Roth Monobloc 900 ground rainwater storage tank is ideal for smaller plots. Its compact design makes it particularly suitable for cramped conditions, and it can be used on even the smallest plots.

■ Roth industrial storage units

Roth industrial storage units come in 2 000 and 3 000 litre options and are primarily intended for commercial use. They enable washing systems, nurseries and industrial-scale operations to store large quantities of water in an efficient manner. Large storage units can also be installed in domestic applications to enable the use of rainwater.

Benefits of Roth storage systems for rainwater and waste water at a glance

Roth underground storage tanks: Roth Twinbloc low-profile storage unit (1 500, 3 500 and 5 000 litres) and Roth Monobloc (900 litres)

- > the PE tank is stable in the ground and can be driven over by cars
- > it can be supplied in different versions, either as a complete package with filter and pump technology, or as a retention tank
- > flat design reduces earth excavation by up to 46% and thus the installation costs too
- > can be installed at sites with a high water table
- > several tanks can be coupled

Roth domestic and industrial storage units for installation above ground

- > PE tanks are opaque and UV-resistant, preventing the growth of algae
- > several tanks can be coupled
- > reduces water bills

Roth drinking water storage tank for installation above ground

- > from a microbiological point of view, the material complies with the requirements of the DVGW Worksheet W270 (11/2007) and the KTW guideline

Roth small sewage plants and collecting pits

providing an effective way of relieving pressure on the environment



Roth MicroStar TB small sewage plant with fully biological action in the Twinbloc

■ Roth small sewage plant with fully biological action

Small sewage plants are systems for treating domestic waste water. They are used when it is not possible to connect to the sewers and thus to treat waste water in a communal sewage plant for technical or financial reasons.

The local authorities decide which areas are to have waste water disposed of locally. Landowners in these areas must ensure that waste water is disposed of properly by means of a small sewage plant or sealed pit.

■ Roth infiltration system for fully biological small sewage plants

Infiltration units for small sewage plants are primarily used in places where it is not possible to discharge treated waste water into a body of flowing water. The water treated in fully biological small sewage plants is distributed throughout the soil on a large scale by means of infiltration units and can thus infiltrate evenly. The units' shallow installation depth means they can also be used in areas with a high water table.

■ Roth small sewage plant with partially biological action

Domestic waste water flows through a multi-chamber system, gradually depositing contaminants. Settleable substances and floating material are removed from the water in settling pits (mechanical action). Microorganisms in the sewage sludge also help to partially break down the organic contaminants in septic tanks (partially biological action). Further treatment is also possible in an underground irrigation system or constructed wetland.

Benefits of Roth MicroStar TB small sewage plant with fully biological action in the Twinbloc at a glance

- > sequential stabilising activated sludge system (SSB process) with ventilated primary settling and sludge stabilisation
- > no odour problems and almost no sludge production, leading to greatly reduced operating costs
- > tank geometry designed for high levels of ground stability and minimal installation height
- > completely pre-assembled, ready for installation
- > exceptional purification performance and low-maintenance operation
- > generous dimensioning of the plant stages means there are long intervals between waste disposal operations since very little sludge is produced
- > rotary valve technology makes the MicroStar TB compact and means the solenoid valves do not generate any noise
- > state-of-the-art controls for safe operation
- > infiltration systems available as an accessory



Roth collecting pits in 900, 1 000, 1 500, 2 000, 3 000 and 3 500 litre versions

■ **Roth collecting pits and
Roth waste water tanks**

Sealed collecting pits with DIBt approval and sealed waste water tanks are required where it is not possible to discharge treated waste water for water protection reasons, for example, or where there are only small volumes of waste water (allotments or weekend homes).

All of the waste water accrued is stored in collecting pits and waste water tanks until it is disposed of. The pit is emptied via the inspection shafts using vacuum trucks. Alternatively, the Roth suction device can be installed in Roth collecting pits.



Roth waste water tanks in 3 500, 4 500, 5 000 and 6 000 litre versions

Roth glass showers a clear case



Laguna Maxi Wave



Ambient Line



Cariba with chrome mirror

■ The perfect combination of functionality, comfort and elegance

Nowadays, design is just as important as functionality when setting up a bathroom. Whatever your architectural style and design ideas, the diversity of the Roth range of glass showers means there is a solution for every bathroom. The Laguna Maxi Wave, Ambient Line, Cariba, Cariba Move, Melina, Philly Loft and Limaya enable you to install a custom-made glass shower in a sophisticated combination of form and function. Roth glass showers are available in a choice of corner, niche, semi-circular, curved, pentagonal, walk-in and bath tub screen versions.

They can be fitted onto a tiled floor or shower tray. The showers have a vertical adjustment facility and are available with an optional ETC coating (EasyToClean).

■ Laguna Maxi Wave

A generously proportioned opening and an impressive finish characterise the Roth Laguna Maxi Wave glass shower. This is a convenient walk-in shower, installed flush with the floor, with wide foldaway doors and ample space inside. The Laguna Maxi Wave offers extra special, custom-made comfort, combined with a stylish design for people of all ages.

■ Ambient Line

The Roth Ambient Line underlines expressive living. The sliding door moves lightly and particularly quietly on its distinctive castors. The series offers niche and corner solutions and is flexibly available in widths from 1200 to 1500 millimetres. The sliding doors are available in left and right versions. The panes of eight millimetre thick toughened safety glass are optionally available with Roth ETC coating (EasyToClean). Ambient Line can be mounted on shower trays or tiled floors as desired. The shower series stands for elegance and clear lines. The bow handle rounds off the expressive design language of Ambient Line.

■ Cariba

With its brilliant, clear design, Cariba invites you to relax and drift away. Cariba offers the perfect configuration for every bathroom. A choice of corner, curved and pentagonal versions is available, as well as niche and bath tub screen solutions.

■ Melina

The Roth Melina glass shower has the right solution in its range for practically every installation situation. In addition to the walk-in, Roth Melina offers a wide range of options for niche, corner and circular solutions with swing, folding swing and sliding doors. The 2000 mm high glass showers are made of 6 mm thick toughened safety glass with Roth ETC coating (EasyToClean).

The glass panels of the Roth Melina are optionally framed discreetly in shiny silver or strikingly in black aluminium profiles. The expressive bow handle in real chrome or black sets further strong accents in the bathroom. The 2050 mm high sliding doors are equipped with a high-quality „Soft Close“ and „Soft Open“ automatic system.



Philly Loft



Cariba Move



Limaya

■ Philly Loft

The Roth Philly Loft brings charm right to your bathroom. This is the walk-in shower with an industrial look for discerning tastes. Its black frame profiles help perfectly integrate itself into modern loft designs.

The high-quality black aluminium profiles form a tasteful frame for the panes. The 2000-mm-high glass showers are made of 6-mm-thick single-pane safety glass with ETC (EasyToClean) coating. The Roth Philly Loft Walk-In offers wide, easy access to the shower.

The panel is secured using a wall attachment strip with an adjustment range to compensate for any uneven areas. It can be installed on the left or on the right-hand side of the wall.

The Roth Philly Loft is available in five width options from 800 to 1400 millimetres. The right-angle wall bracket is 1200 millimetres long and can be cut to fit.

■ Cariba Move

The designer fitting for the Roth Cariba Move glass shower series allows for many combinations of door options. The series features corner access as well as folding doors for niches. The modular system enables shower screens to be created for any space. The doors of the Roth Cariba Move can be fully folded away, either inwards or outwards. The shower area becomes additional space. Enjoy newfound freedom to move in the bathroom – a particular advantage for small spaces.

■ Limaya

Depending on the room and customer requirements, the Roth Limaya glass shower offers individual solutions for every kind of bathroom. The range offers many options with swing and sliding doors for niche, corner and quarter-circle solutions. Accessible shower screens with sliding doors are also possible. The high-quality aluminium designer handle and gleaming aluminium profiles form a tasteful frame for the panes. The 1 950-mm-high glass showers are made of 5-mm-thick single-pane safety glass – with optional ETC coating (EasyToClean).

Benefits of Roth glass showers at a glance

- > single-pane safety glass 5, 6 and 8 mm in accordance with DIN EN 12150-1
- > extruded aluminium profiles in accordance with DIN EN 12020
- > integrated rise and fall mechanism
- > perfectly easy to assemble thanks to pre-installed profile pieces simple basic positioning through the glass elements in the wall profile and fine adjustment in the rotation profile

Roth complete showers

meeting the highest requirements



■ Complete solutions that meet the highest requirements

Roth's complete showers combine sophisticated technology and reliable functionality – and provide you with pleasant and enjoyable showers for years to come!

The Roth range of complete showers comprises two product lines – the Classic line and the Basic line. They can adapt flexibly the architectural features of the room, meaning you can enjoy your shower experience even if a fixed installation is not what you want or is not feasible, for example in holiday homes, gyms and sports rooms, hobby rooms, or even in the bathroom.

■ Top quality from the complete shower pioneer

As a pioneer, Roth Werke has been producing complete showers for over 55 years – and is now one of Europe's leading complete shower suppliers. Customers benefit from extensive experience gained over many years and can therefore count on reliable product quality.

■ Vinata

The Roth remodelling concept Vinata consists of a high-quality glass sliding door, mineral cast shower basin and glass rear panels. Roth Vinata makes it possible to exchange old bathtubs in a very short time thanks to a spacious shower solution.

■ Growing older with “Comfort”

The “Comfort” model ensures comfortable and safe use for the elderly. Old bathtubs can be replaced by a spacious shower solution. A bracket for installing a seat and additional handles are included in the fittings. A shower seat is available as an optional feature. “Comfort” is designed to make growing older at home more comfortable.

■ “Spirit” for the entire family

The “Spirit” model involves installing a spacious shower to replace an old bathtub. The ideal shower solution for the entire family.





Classic line Exklusiv



Classic line Exklusiv with lower entry height



Basic line Tempo

■ Classic line Exklusiv

The Exklusiv complete shower comes in various sizes, either with a curtain or in the following acrylic glass versions: 1-piece swing door, 2-piece folding door, 3-piece sliding door and 4-piece corner access. It comes with a matching mixer tap, handheld shower head and soap dish, and a hot water boiler and/or pump built into the bottom part of the shower.

■ Classic line Exklusiv with lower entry height

The complete shower, "Exklusiv with a low access height", has an impressively convenient design with a step of just 180 mm to enter the cubicle. The two-piece swing door made of transparent single-pane safety glass emphasises the added convenience for the user with its spacious entrance.

■ Basic line Tempo

The complete shower Tempo comes with an acrylic tray with a polystyrene support, non-slip floor design and a 90-mm drain diameter. Options with a one- or two-piece swing door are also available. The fastening is achieved with a magnetic seal. It also contains a soap dish and shampoo shelf in the designer rear wall and a water run-off channel on the door.

Benefits of Roth complete showers at a glance

- > Roth invented the complete shower unit
- > 50 years of experience and expertise in manufacturing and selling complete shower units
- > fast installation thanks to high degree of prefabrication
- > optional electrical equipment (hot water boiler, domestic water pump)
- > leading manufacturer of complete shower units in Europe
- > advanced technology and functionality

Roth Vipanel

the inspiration for custom bathroom designs



Vipanel, wood – mahagoni



Vipanel Brilliant, aragon – black



Vipanel Velvet, wood – wild oak

■ Roth Vipanel - A new look for your bathroom

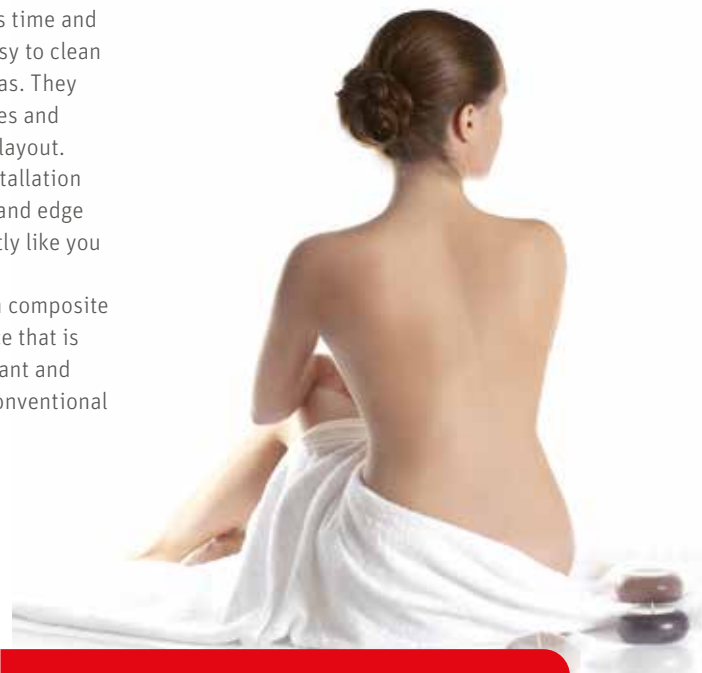
The large decor panels score points with their light weight and can be very easily attached to the wall with adhesive. Whether they are installed on top of existing tiles during a modernisation project or a partial renovation or on top of plaster during new construction, Vipanel breaks down your creative limits.

The design panels are three millimetres thick. They are available in heights of 2100 and 2550 millimetres and in widths of 1000 and 1500 millimetres.

■ Flexible wall decor in the bathroom

The seamless wall cladding saves time and money. The design panels are easy to clean and especially suited for wet areas. They can also be used for large surfaces and customised on site for any room layout. And for seamless processing, installation with profiles (corner, composite and edge profiles) is also an option – exactly like you like it.

The design panels are aluminium composite panels with a high-quality surface that is very low-maintenance, UV-resistant and robust. They are insensitive to conventional cleaning solutions.



At a glance

- > many attractive designs
- > easy-to-clean aluminium composite panels
- > lightweight design
- > easy and fast installation
- > standard heights of 2100 and 2550 mm
- > standard widths of 1000 and 1500 mm
- > can be cut to any size
- > installation with and without profile



Vipanel Structure, stone – sierra



Vipanel Individual, Motif Phare



Batipanel, wood – oak

Roth Vipanel

There is a total of twelve attractive, decorative designs. The designs in wood, stone, marble, concrete and plain look are each presented in different colour shades. They are hardly distinguishable from real materials. The effect is enhanced by the surface finish.

Roth Vipanel Brilliant

The high-gloss Vipanel Brilliant decors are available in six different designs. The designs in wood, stone and marble look are each presented in different colour shades.

Roth Vipanel Velvet

The matt Vipanel Velvet decors are available in five different finishes. The decors in brick, marble and wood look are each presented in different colour shades.

Roth Vipanel Structure

Vipanel Structure decors are available in six different designs. The textured stone and slate decors are right on trend. Another eye-catcher of the series is the trendy metal oxide design.

Roth Vipanel Individual

The Vipanel individual decors, comprise a range of 100 motifs. Of course customer's own motifs can also be applied to the panels. The individual decors are available in the standard surface Vipanel matt, Vipanel brilliant high gloss, Vipanel velvet matt and in the new surface Vipanel Structure.

■ Roth Batipanel – High-quality paneling system for WC pre-wall elements

The Batipanel WC pre-wall element offers the same advantages as the established Roth Vipanel®: aluminium composite panels with modern decorative prints line surfaces without joints, a high-quality surface finish and UV coating make them resistant and predestine them for use in bathrooms. In addition, the tiles are easy to clean, water- and scratch-resistant, chemical-resistant and durable. Batipanel is available in the designs Concrete Grey, Concrete Black, Wood Oak and Uni White.

The panels already have the standard drill holes for the drain, inlet and fastening of a WC. In addition to a Vipanel® panel in size 1200 x 1500 mm, the system package also includes two outside corner profiles 1500 mm, one outside corner profile 1200 mm and 2 corner caps.

Roth shower trays

straightforward, modern design

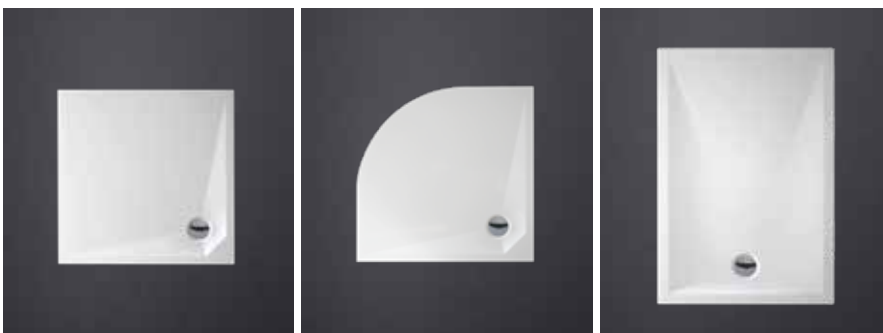


■ Marmo Neo shower tray

For your glass shower, we provide high-quality, stabile cast marble shower trays. The product range includes many different sizes of square and rectangular models as well as quarter-circle solutions. The modern linear design can be perfectly integrated into the current world of bathroom shapes.

■ Accessible shower tray for your bathroom

The new, high-quality cast marble shower trays is simple and safe to work with. The material is robust and keeps its shape. The shape allows the water to drain quickly. The pleasant surface of the shower trays is hygienic and easy to keep clean. The long-lasting material also provides a high level of surefootedness. The low construction height is particularly suited to floor-level shower surfaces.



Our strengths

Your benefits

Innovation

- > Early identification of market requirements
- > In-house materials research and development
- > In-house engineering
- > The company is certified in accordance with ISO 9001

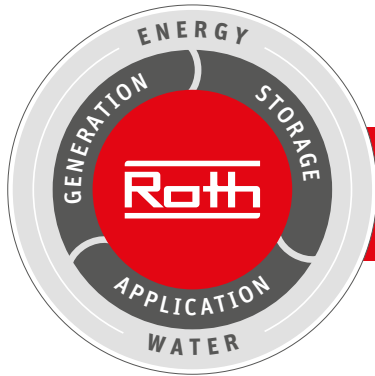
Service

- > Extensive field network of qualified sales professionals
- > Hotline and project planning service
- > Factory training courses, planning and product seminars
- > Fast availability of all Roth brand product ranges throughout Europe
- > Comprehensive warranty

Products

- > Complete range of easy-to-install product systems
- > Manufacturing expertise for the complete product range within the Roth Industries group of companies

A large, stylized white Roth logo is centered on a dark grey background. The logo consists of the word "Roth" in a bold, sans-serif font, enclosed within a double-line rectangular border. Below the logo, a human hand is visible, palm up, as if presenting the logo.



Roth energy and sanitary systems

Generation

- Solar systems <
- Heat pump systems <

Storage

- Storage systems for
- Drinking and heating water <
- Combustibles and biofuels <
- Rainwater and waste water <

Use

- > Radiant heating and cooling systems
- > Apartment stations
- > Pipe installation systems
- > Shower systems

Roth

ROTH WERKE GMBH

Am Seerain 2
 D-35232 Dautphetal
 Phone: +49 (0)6466/922-0
 Fax: +49 (0)6466/922-100
 Email: service@roth-werke.de
 www.roth-werke.de

