



FRIDURIT[®] LABORATORY PERFECTION

Laboratory benches and sinks

Fume scrubbers

Neutralisation units

www.kyocera-solutions.de

THE PERFECTION OUR CUSTOMERS LOVE

FRIDURIT is a leading brand for laboratory work surfaces, for decentralised exhaust air and wastewater treatment. All our products are developed with our customers in mind. We look at customers individually to ensure that we supply the solution that exactly meet their needs.

Perfection on the one hand stands for the use of first-class materials as such, on the other, for our full appreciation of your needs. The experience of many years means we are able to manufacture individual solutions down to the finest detail and to the highest requirements, even and especially for the tough conditions found in a laboratory. Perfection to us means preserving your ideal working environment for as long as we possibly can.





Our mission is to create your ideal working environment and preserve it for as long as we possibly can.

FRIDURIT® LABORATORY TECHNOLOGY TOP QUALITY FOR TOP DEMANDS

In modern laboratories the demands on quality increase at the same pace as the demands on the products and services to be supplied.



Tailor-made solutions for your laboratory workplace

Products and services are today subjected to a wide variety of quality assurance guidelines, such as GLP (Good Laboratory Practice) or GMP (Good Manufacturing Practice). Particularly stringent regulations apply in the field of medical technology and to the production of pharmaceuticals and foodstuffs, e.g. the ATMP (Advanced Therapy Medical Products) and the IFS (International Food Standard).

It is our mission to respond to these demands and, on the basis of our vast experience won over decades, to turn them into optimum results. The FRIDURIT manufacturing process so fulfils all ISO standards for general process management (ISO 9001:2008), for adherence to environmental aspects (ISO

14001:2004) and for implementing an energy management system (ISO 50001:2011).

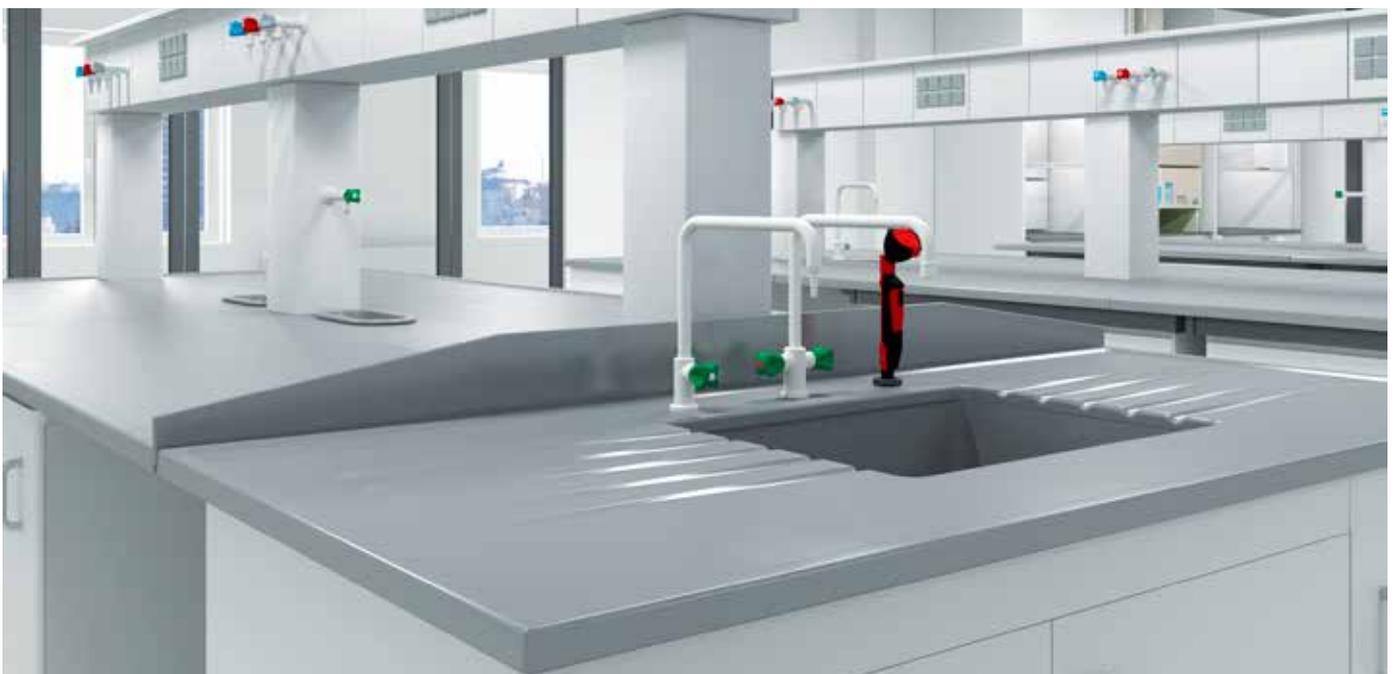
We create an environment where your laboratory work can be carried out both safely and efficiently. FRIDURIT products are durable, ergonomically sound and individually geared to your own specific requirements.

Together with you, we develop solutions with the highest degree of innovation to meet the very special needs of your laboratory workplace.



SUSTAINABLE AND ECO-FRIENDLY

Deciding on FRIDURIT Laboratory Technology also means the commitment to act responsibly towards the environment. With our products we meet the very highest standards, both nationally and internationally, in terms of safety, environmental protection and sustainability for new laboratories as well as for laboratory conversion projects.



FRIDURIT – a plus for the environment

Laboratory benchtops and sinks are made of FRIDURIT Technical Ceramics. It is manufactured from natural raw materials such as clay, kaolin and feldspar, and is 100% recyclable. Our Technical Ceramics contains no chemicals and is fully emission-free. It is non-flammable (Euroclass A1) and does not increase the fire load of buildings. The material is thus a classic example of “green” building materials, which represent an important element in implementing “Green Building” concepts.

FRIDURIT fume scrubbers and neutralisation units allow reliable exhaust air cleaning at laboratory fume cupboards and neutralisation of waste-water directly at the source of emission, thus ensuring effective protection for the building substance and the environment.

Kyocera Fineceramics Solutions GmbH is a pioneer in the implementation of fuel cell technology. Europe’s first fuel cell power plant in the megawatt class will be installed on the site in Mannheim.

This will enable us to generate our power requirements as efficiently and cleanly as possible in order to enhance our environmentally-friendly production processes.

Our membership in EGNATON – European Association for Sustainable Laboratory Technologies – highlights our central maxim:

Sustainability and Viability.



JUST LIKE NEW – EVEN IN EXTREME CONDITIONS TECHNICAL CERAMICS

FRIDURIT Technical Ceramics is permanently resistant to the extreme demands set upon it in your laboratory. Due to its exceptional material density it is more scratch-resistant than all other materials used in benchtops and has a pore-free surface.



EASY TO CLEAN

FRIDURIT laboratory benchtops made of Technical Ceramics pose no problems when it comes to cleaning. Dyes, varnishes, dirt and grease can all be removed without trace. Thanks to their extreme hardness and abrasion resistance our Technical Ceramics products remain thoroughly unaffected, even after subjection to repeated cleaning with aggressive cleaning agents and tools.



SCRATCH-PROOF

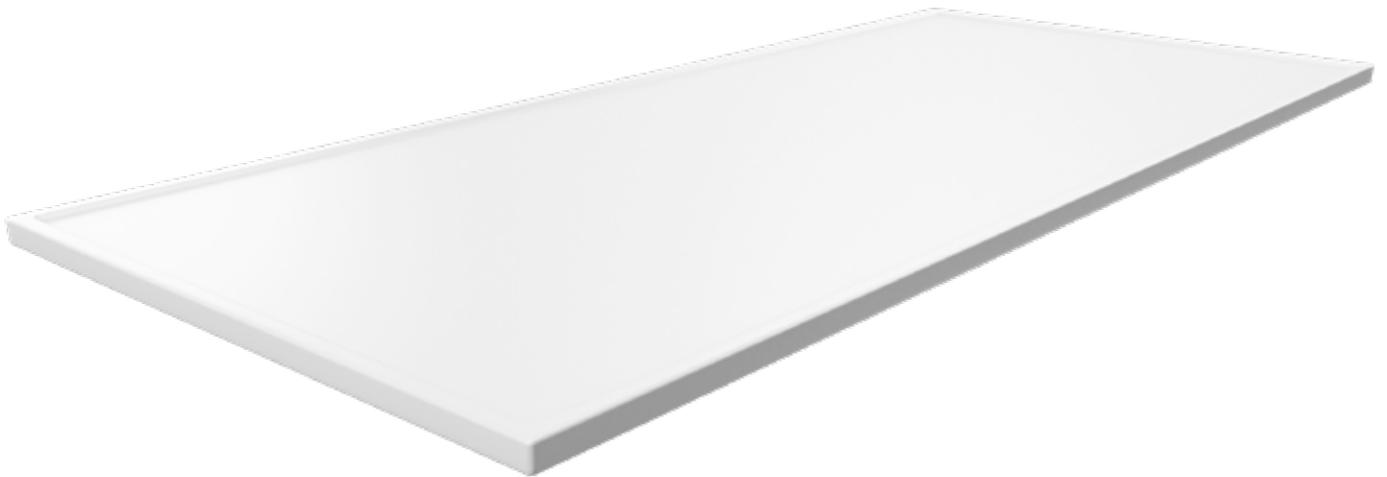
FRIDURIT laboratory benchtops always look just like new. Their exceptional scratch resistance prevents any sign of wear.



CHEMICAL RESISTANCE

FRIDURIT Technical Ceramics products are resistant to solvents and chemicals commonly used in the laboratory, e.g. aqua regia, hydrochloric acid, sulphuric acid and sodium hydroxide – even when these are used at high concentrations, at extreme temperatures and with a long reaction time.

**For permanent
perfection**



**HEAT
RESISTANCE**

FRIDURIT Technical Ceramics products are resistant to heat from open flames and hot objects, e.g. crucibles. They are non-flammable and fully fire-proof (Euroclass A1).



**MICROBIOLO-
GICALLY PURE**

FRIDURIT laboratory benchtops can be decontaminated and disinfected. Their permanently scratch-resistant and pore-free surfaces preclude a breeding ground for viruses, bacteria and germs.



**ENVIRONMENTALLY
COMPATIBLE**

FRIDURIT Technical Ceramics is durable, fully recyclable and thus particularly sustainable. An efficient manufacturing process and the use of natural, 100% recyclable raw materials make FRIDURIT Technical Ceramics an exceptionally durable, eco-friendly and sustainable material.

LABORATORY BENCHTOPS AND SINKS

FRIDURIT laboratory benchtops and sinks made of Technical Ceramics have been tried and tested for a great many years and in a wide variety of laboratory environments. They are hallmarked by their extreme resilience, individual design and lasting good looks.



Tailor-made perfection for every wish

Our laboratory benchtops are planned and manufactured in exact accordance with the individual needs of your laboratory. FRIDURIT laboratory sinks are the perfect extra when it comes to integrating the handling of water and other liquids.

A wide range of glaze colours as well as the option of selecting special colours make FRIDURIT laboratory benchtops and sinks made of Technical Ceramics products that satisfy the very highest aesthetically demands.

Whether you are looking for a permanently resilient work surface or your main concern is environmental protection and, naturally, if you have special wishes regarding the size, shape and colour of your worktops and laboratory sinks – we guarantee you both top quality and a unique design.

In short: Tailor-made perfection for every wish.

-  Pure white
-  Light grey
-  Diamond grey
-  Grand Canyon
-  Grey blue
-  Dark blue
-  Opal green
-  Black
-  Lava grey
-  Light grey with black speckles



Marine edge

A joint-free marine edge as available with FRIDURIT premium provides protection, for example from liquid overspill, and thus ensures the highest levels of safety when working in the laboratory as well as optimum hygiene.



An attractive alternative

without raised ceramic edging is provided by FRIDURIT modular with its 20 mm thin, self-supporting laboratory benchtops and matching sinks.

Select your glaze colour

The figure above shows a selection of glaze colours available. Laboratory sinks are available in plain colour glaze. We will be pleased to send you ceramic colour samples upon request. (Colours may vary from those illustrated.)

PROTECTING THE ENVIRONMENT AND YOUR SAFETY FUME SCRUBBERS AND NEUTRALISATION UNITS

FRIDURIT environmental equipment allows decentralised waste-air treatment at the laboratory fume cupboard itself as well as neutralisation of acid and alkaline wastewater directly at the source of emission. Your advantage: efficient work processes, preservation of your building substance and protection of the environment.

By means of advanced technology our environmental equipment ensures outstanding cleaning results with low energy consumption while running fully automatically and silently in the background. The easy-maintenance design of FRIDURIT environmental equipment minimises outages, saves costs and proves its value time and again in everyday laboratory operation worldwide. Our service partners are always ready to provide you with all necessary care, inspection and maintenance of your eco-friendly installations.



Exhaust air cleaning and neutralisation of waste-water directly at source



FUME SCRUBBERS

FRIDURIT fume scrubbers provide decentralised absorption of aggressive and toxic acid vapours at the laboratory fume cupboard directly, i.e. at their precise point of origin. This means you are not just making a sustained contribution to protecting the environment but are simultaneously protecting your waste-air ducts from corrosion damage. At the same time all European standards are complied with. While central waste-air scrubbers generally have a high-energy consumption, the decentralised FRIDURIT fume scrubbers are distinguished by excellent absorption efficiency combined with a high degree of economy during operation.



NEUTRALISATION UNITS

The FRIDURIT neutralisation unit neutralises all acid and alkaline waste-water produced during laboratory operation both rapidly and safely right at the source of emission.

INNOVATIVE SOLUTIONS FOR THE GLOBAL MARKET

INNOVATIONS FOR MORE THAN 150 YEARS

With more than 150 years of experience in ceramic manufacturing, we offer a range of innovative solutions for many industries: system components for high technology applications in electrical and sensor technology, mechanical engineering, analytical technology, medical and semiconductor technology as well as laboratory technology. In the field of ceramic-to-metal assemblies we possess international leading know-how.

SPECTRUM OF INNOVATIVE SOLUTIONS

We see ourselves as a partner in the development of high-performance ceramic solutions, which give our customers added value and ensure their technological advantages. Our team advise comprehensive on the selection of ceramic materials, product design and project execution - from the development stage over the prototype fabrication to the serial.

PARTNER OF A POWERFUL COMMUNITY

Founded in 1863 in Mannheim as brickyard, known as "Deutsche Steinzeug" and later as "Friedrichsfeld GmbH", the business area Ceramics continued its successful development. Since September 2019, we are part of the KYOCERA Corporation, a world-leading ceramic and technology company.



KYOCERA Fin ceramics Solutions GmbH
is a specialist company for products made
of non-corroding and wear-resistant
materials.



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