

Industry & Trade

Architectural ceramics
for a modern working environment.



PTT Telecom, Arnheim,
Netherlands, series KerAion

Cover: Teaching and test institute, Weinsberg,
Germany, series Ferrum / Concession
Citroen, Belford, France, project-specific
individual articles / Hospital, Ochsenfurt,
Germany, series Chroma and project-specific
individual articles

Back: series Industria / Central cellar, Breisach,
Germany, series Natural Ceramics

The health of the employees is one of the decisive factors for the success of every enterprise. Legislation deals seriously with issues regarding health and safety, thereby establishing specification standards such as slip resistance. By adhering to this legislation a contribution is made towards minimizing loss of productivity caused by accidents and employee health problems.

In addition, every day demands on surfaces are high level: Floor coverings in factories and workshops should be easy to clean and resistant to high mechanical stress. Ceramic tiles from Agrob Buchtal meet all these requirements – whilst ensuring an aesthetically satisfactory result.



Landbäckerei Sander (bakery), Wendeburg, Germany, project-specific individual articles



MAN Service Station, Oldenburg, Germany, series Mechanica



Deep well Hori, Sulzfeld, Germany, series Chroma



Photo on top left: Academy for vehicle engineering, Schweinfurt, Germany, series Natural
Photo on top right: ATU branch, Nuremberg, Germany, series Mechanica
Chroma / Photo at the bottom: Refuse incineration plant, Lyon, France, series KerAion

Investment in ceramic wall and floor tile surfaces pays. Fixing is rationalized and efficient and thereby low cost. Ceramic tiles are resistant to chemicals, humidity and other stress factors occurring in industrial areas every day.

Maintenance costs are reduced by minimizing cleaning requirements. In addition, ceramics are non-combustible. In case of fire, no toxic gases are released. The compressive strength of tiles is several times higher than that of reinforced concrete. And tiles are indestructible and durable.

As a specialist for ceramic problem solutions operating world-wide, Agrob Buchtal offers more than first-class quality and a wide range of products: Competent advice in the field of application technology guarantees a successful investment.

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Police headquarters, Bonn,
Germany, series Mechanica



Healthy Diet

What we eat and drink has a direct influence on our health. This is why particularly strict hygienic regulations apply in areas where food is produced, processed or prepared.

Depending on the industry and business concerned, however, the specific requirements vary considerably. There are specific requirements to be met, whether a slaughter-house, a brewery or a bakery. Ceramic wall and floor tiles can be used to achieve the highest hygiene and safety standards. Businesses profit from a trouble-free working environment whilst customers win confidence in healthy products.



Johannes Post Kazerne, Havelte, Netherlands, series Chroma and project-specific individual articles



Teaching and test institute, Weinsberg, Germany, series Ferrum



Central cellar, Breisach, Germany, series Natural Ceramics





Lebkuchen Schmidt (gingerbread factory),
Nuremberg, Germany, series Ferrum



Meat processing, Castelnuovo,
Italy, series Ferrum

Food Industry

Industrial production is efficient and economical. Also in the food industry. But where nourishment for millions is produced, even the slightest hygienic problem can have significant consequences. In addition, employees are often faced with slippery surfaces caused by spillage of liquids, oils and fat residues. As a result ceramic wall and floor tiles have been the preferred products in applications such as in tinned food and margarine factories and production sites for bread, milk and chocolate products.

Factory applied surface treatment ensures rational cleaning. And product ranges covering all slip-resistance classifications guarantee maximum safety at work. Even industrial trucks weighing several tons create no problems in areas where over dimensional tiles are laid.



Brewing room of the brewery Göss, Leoben, Austria,
project-specific individual articles

Slaughter-house of Vinzenz Murr,
Munich, Germany, series Chroma



Lebkuchen Schmidt (gingerbread factory),
Nuremberg, Germany, series Ferrum



Fromagerie (cheese-making), Clairon,
France, series Natural Ceramics

Trade

Raw materials storage areas, bakeries and shop areas and typically combined in a confined space – but not only in bakeries. Meat preparation and sale requires sectional zoning for cold storage, preparation and sales areas. Each zone has specific requirements particularly regarding slip-resistance. Agrob Buchtal offers a wide range of products to ensure that the appropriate specification can be matched. The range also enables different surfaces to be combined whilst maintaining a uniform colour concept combining floor and wall surfaces. And standard speciality products such as coves and skirtings contribute to an easily cleanable surface.



Large bakery, Korntal, Germany, series Chroma, project-specific individual articles / Meat processing, Castellnuovo, Italy, series Ferrum, Chroma

Canteen Kitchens

A wide variety of meals are prepared in modern canteen kitchens. Providing meals for hotel guests, hospital patients or company employees can be very stressful.

Complex working processes must be coordinated to the minute in order to ensure that nobody has to wait for a meal even during the peak periods. Slip resistant floor tiles contribute to the smooth running of food preparation procedures. Profiled surfaces prevent slippage in hectic periods.

And the profiled surfaces have been designed to minimize vibration and noise level whilst loaded trollies are moved. Furthermore, strict hygiene standards can be complied with since floor and wall surfaces can also be easily cleaned.



Hospital, Ochsenfurt, Germany, series Chroma and project-specific individual articles / Canteen kitchen, series Plural three

University of Bremen, Germany, series Chroma



Thermal electric station, Viborg, Denmark, project-specific individual articles / Süddeutscher Verlag (publishing house), Druck-Center (printing centre), Munich-Steinhausen, Germany, project-specific individual articles

Solutions for the Future

Technology makes life easier: the automobile has provided us with a previously unknown level of mobility. And the vacuum cleaner and the washing machine have become indispensable household aids.

Traditionally, production, maintenance and the repair of machines and appliances have created particularly tenacious soiling problems which can be solved using ceramic products. High Tech industries and scientific and technical research establishments have presented new challenges. Sophisticated ceramic products are used to ensure diffusion of laser beams and surface earthing of static electricity. Newly developed ceramic products fulfil such requirements whilst enabling attractive design.



General Hospital, Vienna, Austria, series KerAion
ELA 10.6 / Chemical institute, university of
Heidelberg, Germany, series KerAion ELA 10.6



MAN Service Station, Oldenburg, Germany, series Mechanica

Maintenance & Repair

Car maintenance and repair requires the use of lubricants. Oils and greases combine with dirt to form hazardous floor surfaces.

Specially developed ceramic tiles ensure slip resistance combined with easily cleanable surfaces. Even in car wash areas where oil residues combine with cleaning soaps to form a particularly hazardous surface.

Ceramic safety borders serve as visual guide, e.g. in garages, and ensure increased attention. In this way, they protect the customers and employees against falling into the inspection pit.

In this way, ceramics guarantee maximum safety at work whilst ensuring a clean environment thereby winning the appreciation of the end users.



Academy for vehicle engineering, Schweinfurt, Germany, series Natural Ceramics / ATU branch, Nuremberg, Germany, series Mechanica



Süddeutscher Verlag (publishing house), Druck-Center (printing centre), Munich-Steinhausen, Germany, series Chroma

Development & Production

The industrial face of modern economies is changing. High Tech businesses are replacing traditional manufacture creating new requirements for building materials. Electrostatic charges need to be eliminated not only during the production of micro-chips and pharmaceuticals but also in modern printing houses and storage areas for highly explosive substances, where even the smallest spark can have devastating consequences.

With the development of static electricity conducting floor tiles, Agrob Buchtal has created solutions that can be precisely adapted to the requirements of the respective business. Glazed large-size panels in sizes 60 x 60 cm enable attractive colour concepts to be realized for example in the sales area for electronic equipment.



PTT-Telecom, Eindhoven,
Netherlands, series KerAion



Ludwig-Maximilians-University,
Munich, Germany, project-specific
individual articles



Dempsey barracks, Paderborn, Germany, series Plural two, Plural three

Social Rooms & Administration

A positive atmosphere at work encourages the creativity and motivation of employees. Important “climatic factors”, whose significance are frequently underestimated, include the design of canteens and recreation rooms.

In this sector, Agrob Buchtal offers a wide range of wall and floor tiles in a variety of colours and sizes providing an ideal basis for realizing (corporate) colour concepts. Thereby supporting the corporate culture and contributing to a pleasant working environment.



Audi training centre, Ingolstadt, Germany,
series Michelangelo





Series Plural three (floor), series Basis 2 (wall) /
Series Quantum, shower tub system

Sanitary Areas

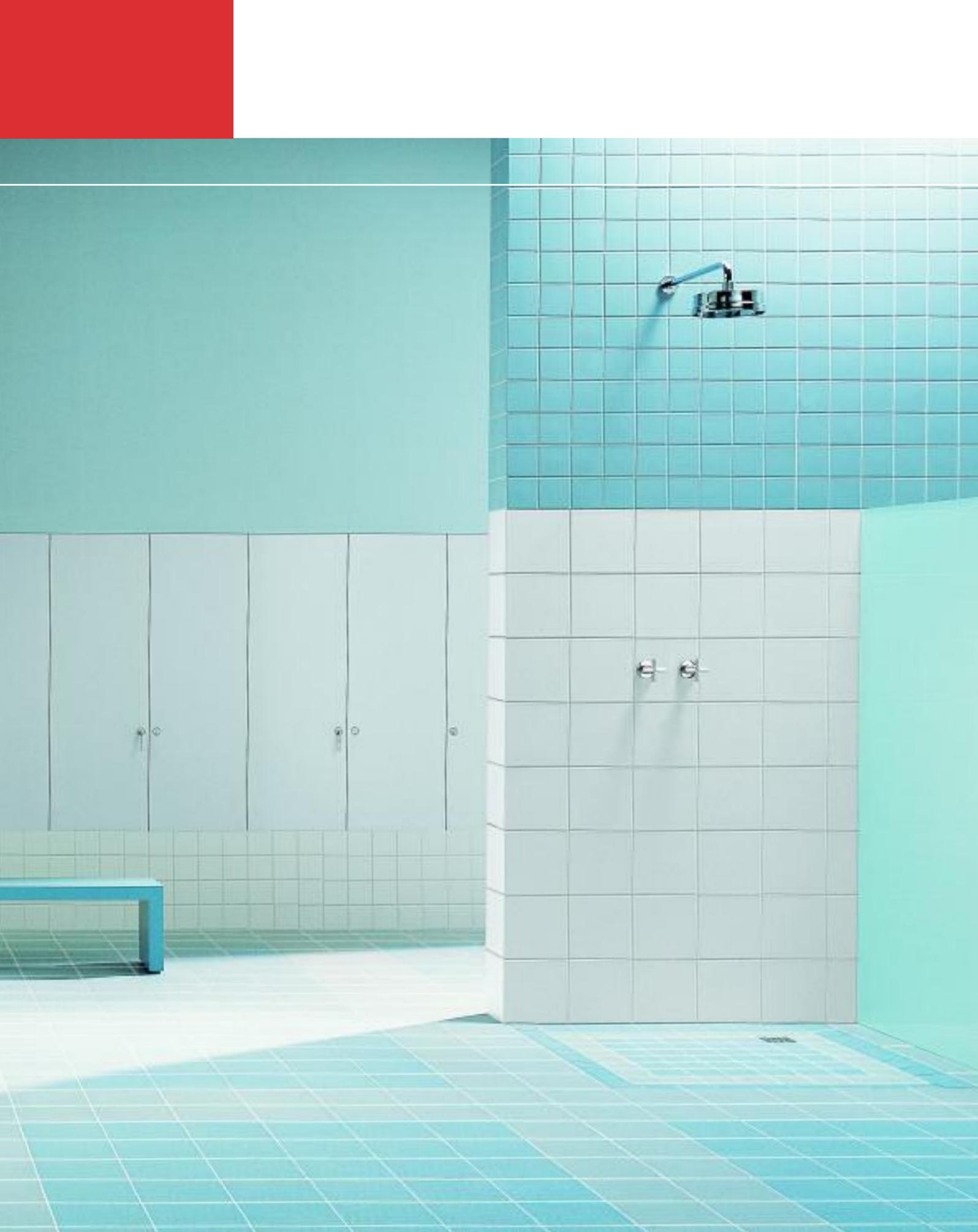
Cleanliness in industrial businesses and workshop environments is particularly challenging. Modern shower and wash areas help to meet these challenges.

Intelligent design combines functional and aesthetic attributes. Agrob Buchtal contribute to an intelligent design by providing a wide range of products in various sizes and colours. Furthermore, special pieces, such as shower tub systems for barrier free application, help ensure that the specific requirements of the business are met.

Most of the glazed series of the Agrob Buchtal range have the HT* coating. This innovation, which is unique in its form, offers decisive additional advantages: cleaning is extremely easy, whilst bacteria and fungi are decomposed and disagreeable odours, such as in heavily frequented sanitary rooms, are eliminated.

* For HT, see page 22.





Series Plural two (wall),
Plural three (floor)



HT

HT proves valuable in all areas where utmost hygiene is required. The surface coating for wall and floor tiles offers three important advantages:

- it has an antibacterial effect *
- it is extremely easy to clean
- it eliminates disagreeable odours

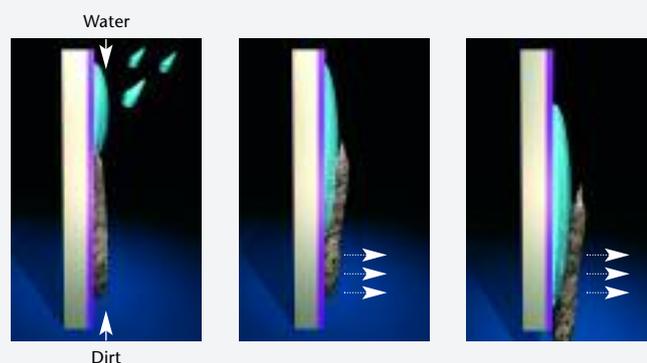
The effects are based on the principle of photocatalysis. The catalyst, titanium oxide, is fired into the glaze and facilitates a reaction between light, oxygen and humidity. In this process, oxygen molecules become activated decomposing bacteria, fungi, algae and moss.

HT-coated tile surfaces are hydrophilic: as opposed to repelling water, the reaction relieves surface tension thereby inhibiting the creation of globules of water and transforming the water into a fine film which spreads behind dirt lifting it from the tile surface.

In addition, HT decomposes the exhaust fumes created by industry and cars. Scientific analyses prove that a HT facade surface of 1000 m² cleans the air as effectively as 70 medium-sized deciduous trees. The coating, which is unique in this form, is practically indestructible. The photocatalytic effect already activated by normal indoor lighting or natural light is permanently conserved.

For further information, please order our HT special brochure.

* Documentation and approval regarding the antibacterial characteristics of HT are pending in the USA



With HT, dirt is washed down by the water and can then be easily wiped off.



Bus repair station, Nuremberg, Germany, project-specific individual articles / Series Natural Ceramics

In-House Planning Department

At Agrob Buchtal, high-quality products and competent services are supplied. In this way, planners and architects using our products can benefit from the know-how of our in-house planning department free of charge when specifying our products.

A committed team of qualified technicians, engineers, architects, designers and colour experts ensures a quick and problem-free realization of individual concepts. The range of services includes laying plans, determinations of quantities,

detailed estimates, texts for bidding purposes or project-specific advice regarding application techniques on the project location. In addition, a person to contact will be at your disposal on location by request. You will find detailed information about the complete range of our products in our publication "Programme of Delivery".

Large bakery, Korntal, Germany, series Chroma and project-specific individual articles





Transport & Public Sector



Shopping & Business



Hospitals & Health Care

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