



Transport & Public Sector

Architectural ceramics
for representative public areas.





Airport, Aswan,
Egypt, series Chroma



Cover: Airport, Dresden, Germany,
project-specific individual articles / Series Plural
three / Underground station, Cairo, Egypt,
series Chroma

Back: Series Geo / Railway underpass,
Egelsbach, Germany, series Chroma

The aesthetic vision: public transport buildings which pick up cultural and natural influences and set new accents, stations and airports that are not only places of transit, but invite to stay. Public buildings which impress visitors both from a functional and an emotional point of view.

The tile series of Agrob Buchtal for walls and floors, facades, sanitary facilities and canteens help to realize the aesthetic vision. They inspire architects and planners to take new directions.



Olympic Stadium, Berlin, Germany

Central station, Gelsenkirchen, Germany,
series Metry, Orientation aid for the blind



Railway underpass, Mögglingen, Germany,
series Chroma II, Plenum





Korea Pavilion, Expo 2000, Hanover, Germany, series KeraTwin

Photo on top right: Park Gate, Milton Park, Abingdon, Great Britain, series KeraTwin / Photo down on the right: Sheppard Subway, Bayview Station, Toronto, Canada, series Chroma

Public buildings are an important sector within the construction industry. No matter whether it concerns the realization of public transport buildings, educational establishments or other institutions – in all areas concepts and materials are required which combine economic efficiency and functionality with an attractive design.

For Agrob Buchtal, these requirements are not conflicting but reflect a fundamental standard. Robustness, easiness of care and slip resistance are decisive criteria for the high acceptance of ceramic tiles.

The wide range of products offers planners and architects the best conditions for designing public areas.



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Underground station "Marienplatz", Munich, Germany, project-specific individual articles

Arrival & Departure

The significance of public transport buildings has changed fundamentally in recent years. The transit stations of the past are developing more and more into autonomous centres in which the period between arrival and departure is bridged with maximum comfort. At airports, stations or motorway service areas, attractive shopping offers and exclusive catering zones invite the travellers to stroll and to relax. People on business trips can rent conference rooms with professional office technology, and innovative, hygienic sanitary concepts ensure an absolutely agreeable stay.

This high standard also requires new aesthetic designs and innovative materials. The tile series from Agrob Buchtal are impressive from the point of view of design and quality. An extensive range of products enables the design of modern orientation and colour guide systems. This is completed by numerous technical aspects such as slip resistance, stair tiles for concepts comprising several floors, clearly visible and tactile guide tiles for blind and visually impaired persons, surfaces extremely easy to clean or the photoluminescent indicators which have been awarded the AIT innovation prize.



Photo on top: Underground station "Poststraße", Cologne, Germany, series Chroma II, Geo /
Photo down: Underground station, Cairo, Egypt, series Chroma

Suburban railway, Bielefeld,
Germany, series Quantum



Central station, Gelsenkirchen, Germany, series Metry, Orientation aid for the blind



Sheppard Subway, Bayview Station, Toronto, Canada, series Chroma

Airport, Hamburg,
Germany, series KerAion





Sheppard Subway, Don Mills Station, Toronto, Canada, series Chroma /
Airport, Dresden, Germany, project-specific individual articles



Railway Stations and Airports

No matter whether underground or sub-urban railway station or airport terminal: Modern public transport buildings have adopted a new appearance. Personal security and a more agreeable ambience have become significant in developing attractive architecture.

The architectural ceramics from Agrob Buchtal have been developed to support this modern architectural approach. The aesthetic impression should also be durable and ceramic floor tiles and withstand the wear and tear of pedestrian traffic. No permanent traces are left by the trolley wheels of luggage or wheels of fork-lift-trucks. Due to varied slip-resistance solutions, areas of application with the most diverse requirements can also be combined to form a conclusive overall design.



Airport, Düsseldorf, Germany, series KerAion



Burger King, Minnetonka, USA, project-specific individual articles



Metro Sport, Antwerp, Belgium, series Chroma



Underground station, Cairo, Egypt, series Chroma



Underground station, Cairo, Egypt, series Chroma



Sanitary Facilities

Public sanitary facilities often were a disagreeable adventure in the past. This unpleasant situation has changed fundamentally due to new sanitary concepts. With architectural ceramics from Agrob Buchtal, clean solutions can be created using slip-resistant floor tiles, which are abrasion-proof and resistant to chemicals even under most difficult conditions. Also an extensive range of special products help reduce the corners and angles which accumulate dirt.

In addition, the HT coating* of the wall and floor tiles effectively improves the hygienic conditions. With HT, surfaces can be kept clean easily. In this way, the cleaning efforts and the quantity of cleaning agents required are considerably reduced. The typical odours in toilets are also significantly reduced due to the HT effect since bacteria causing the odour are decomposed quickly and thoroughly.

* For HT, also see page 30.

Olympic Stadium, Berlin, Germany, series Basis 1 (wall), Plural three (floor) / Series Plural two / Rhein-Energie-Stadion, Cologne, Germany, series Basis 2 (wall), Plural three (floor)



University of Dortmund, Germany, series Geo /
Series Plural two

Colour Systems

In public transport buildings, colours are more than an architectural design instrument: they are a decisive functional element. Corresponding shades serve to join areas visually, contrasting colours mark the transition into different functional areas.

In airports, railway and underground stations, colours serve as a guide system for travellers and visitors. The consistent and logical systems Chroma and Plural are predestined for this purpose. The numerous shades permit new combinations repeatedly. Light and soft shades are complimented by striking colours with signal effect. Matching wall and floor series permit comprehensive solutions. Design possibilities become unlimited.



Novena Station 2,
Singapore, series Chroma



Underground station, Cairo,
Egypt, series Chroma





Underground station, Cairo,
Egypt, series Chroma



Sheppard Subway, Bayview Station,
Toronto, Canada, series Chroma



Metro Sport, Antwerp,
Belgium, series Chroma

Public Presentation

Educational institutions, authorities or public centres have to satisfy elevated requirements. Heavy pedestrian traffic should not leave any traces of wear. Facades and entrance zones must be resistant to weather and environmental influences. These challenges should be taken into consideration at the planning stage of the buildings. And the materials used should meet both the functional and the aesthetic requirements in every respect and be combinable with diverse materials. All these requirements are met by the range of products from Agrob Buchtal.



Teddybear Museum, Jeju Island, Korea, series KerAion



Photo on top: Administration building of Deutsche Telekom, Bremen, Germany, series Quantum and project-specific individual articles / Photo down: Horticultural centre, Ellerhoop, Germany, series Royal Stone



Photo on top: Hong Kong University, Hong Kong, series Chroma /
Photo down: Musée d'art moderne, Saint-Étienne, France, series KerAion



Foreign ministry, Moscow,
Russia, series KerAion

Rain Cladding Systems

Ceramics have a long tradition in architecture. Outside wall claddings with ceramic panels offer a multitude of product-specific advantages such as longevity or resistance to environmental influences. They can be perfectly combined with other facade materials such as glass or steel. In addition, the rear-ventilated facade systems combine superior technical characteristics with excellent climatic properties. Ceramic products used as rain screen cladding also meet the aesthetic challenge of modern architecture. A variety of sizes, surfaces and colours provide design scope. And due to decades of experience and a flexible production facility, the possibilities are almost unlimited: Each year Agrob Buchtal help realize many individual, project specific ideas through bespoke manufacture. In this way the ceramic cladding of building contributes significantly to an unmistakable appearance. Each project becomes unique.



State archives, Prague, Czech Republic, series
KerAion and project-specific individual articles



Foreign ministry, Moscow,
Russia, series Keraion



Muhammad Ali Center,
Louisville, USA, series Keraion



The rain screen cladding systems from Agrob Buchtal have proven themselves to be resistant to the most diverse climatic conditions over decades of application. The product families KeraTwin and KeraAion offer innumerable possibilities: whether glazed or unglazed, modern plank format or representative large-size panel. Agrob Buchtal offers appropriate solutions even for renovation and restoration where the original character of facades is to be preserved.



School de Driestar, Gouda, Netherlands, series KeraAion /
Bouwhuis, Zoetermeer, Netherlands, series KeraTwin



Self-Washing Effect

The HT coating* of the ceramic surface is a strong argument for using rain screen cladding systems from Agrob Buchtal. When rain falls, dirt and impurities are washed down the ceramic surface by the so-called self-washing effect. In addition, the hydrophilic surface helps decompose algae, fungi and moss. The maintenance requirement of traditional cladding materials increases with time. HT-coated ceramics remain self-washing thereby reducing costs short and long term.

* For HT, also see page 30.



District administration office, Pforzheim, Germany, series KerAion /
Airport, Munich, Germany, series KerAion



Nepal Temple, Wiesent,
Germany, series Buchtal Piazza

Entrance Areas

In addition to the facade, the entrance area characterizes the appearance of a building most. Employees pass through this area several times a day, customers and visitors are received there. Many tile series are suitable both for laying in outdoor and indoor areas. The ceramic paving stone Piazza is also an ideal solution for outdoor areas: Since a natural appearance is combined with robustness. And durability is guaranteed since the products are colour fast, resisting the damaging effects of UV light, and also unaffected by aggressive agents such as salt. Buchtal Piazza is through coloured and manufactured from high-quality stoneware in tunnel kilns at a temperature above 1100°C.

Administration building, Schwarzenfeld,
Germany, series Buchtal Piazza





Footpaths, Schwarzenfeld, Germany,
series Buchtal Piazza

Schmuckhof (courtyard), Bad Kissingen,
Germany, series Buchtal Piazza





Administration building, Hagen, Germany,
series Natural Ceramics / Series Natural Ceramics

Stairs

An additional argument for Buchtal Piazza:
The ceramic paving stone corresponds with the colours of the tiles from the product segment Natur Ambiente, which includes a wide range of diverse ceramic stair system products. Thereby enabling the realisation of complete design concepts for an entire building beginning in the courtyard, through the foyer and over the stairs to the different storeys. Stair products are a significant part of all the product segments. Grooved safety strip tiles, e.g. from the series Quantum, ensuring a visible stair edge and slip resistance.



Aranäs Kontor, Kungsbacka, Sweden, series Natural Ceramics /
Photoluminescent indicators



Grammar school, Dörpen, Germany,
series Geo, Quantum



Open-air swimming pool, Obercunnersdorf,
Germany, series Natural Ceramics



Parish centre St. Bonifaz, Munich, Germany,
series Natural Ceramics

Public Areas

Whether public authorities, places of worship or educational centres – highly frequented areas are subject to extreme stress. Planners and architects specifying Agrob Buchtal benefit from numerous advantages. Ceramic products are robust. The surfaces and colours retain their intensity even after many years of use. A wide range of special products such as skirtings, profiled edgings or cove skirtings enable the realisation of detailed concepts. Diverse slip-resistant solutions ensure an optimal foothold also in wet and heavily soiled areas. Architectural ceramics support various architectural styles and contribute to the lasting beauty of a building. In the long term, the most positive image for public areas.



Yle Isopaya, Helsinki, Finland,
series Natural Ceramics, Quantum



Church, Riva del Garda,
Italy, series Quantum



Juri-Gagarin-School,
Bad Frankenhausen, Germany, series Geo



District administration, Prenzlau,
Germany, series Quantum



Sports hall de Uithof, Utrecht,
Netherlands, project-specific
individual articles



Church, Seifertshain,
Germany, series Goldline



Refectory, university of Bremen,
Germany, series Chroma



Police headquarters, Bonn,
Germany, series Basis 3



Eating & Drinking

Very little of the canteen culture of the past can be found on modern day menus. The choice of meals has become more varied, the ingredients are fresher and the preparation is healthier. In addition to the meals, the ambience has also changed. Sterile dining halls are out, attractive meeting places where people come together and regenerate are in.



Antonianum grammar school,
Vechta, Germany, series Plural Olymp





Refectory, Mary Murphy School, Bradford, USA, project-specific individual articles

Canteens and Refectories

Quick meals are in demand during the lunch-break. A snack, a cup of coffee – many people even eat something without sitting down. To make sure that one can nevertheless relax, the ambience must be designed appropriately. This is why hygiene and ease of maintenance are just as important in canteens and refectories as an attractive design.

Architectural ceramics from Agrob Buchtal satisfies both criteria. Thanks to the HT coating*, the tiles are extremely easy to clean. And with their fresh colours, their varied surface structures and formats, the tile series inspire architects and planners to develop new concepts. In this way, they create an ambience in which one can perfectly relax.

* For HT, also see page 30.



Canteen area, Dempsey barracks, Paderborn, Germany, series Plural three (floor), Plural two (wall) / Military airfield, Schortens, Germany, series Plural three, Chroma



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

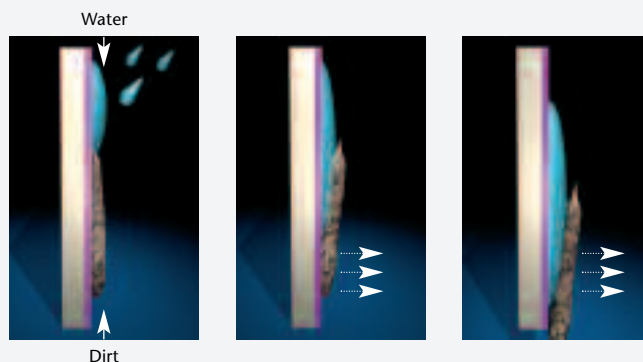
The effects are based on the principle of photocatalysis. The catalyst, titanium oxide, is fired into the glaze and facilitates a reaction between light, oxygen and humidity. In this process, oxygen molecules become activated decomposing bacteria, fungi, algae and moss.

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.



Airport, Düsseldorf, Germany, series KerAion / Festival hall, Landau, Germany, series KerAion

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".

Stairwell, university of Bremen, Germany, series Chroma





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