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## Today's educational buildings count on ceramic tiles

Whether it's daycare centres, primary and secondary schools or universities: The international education landscape is rebuilding. Modern educational concepts respond to the fact that learning works differently for everyone. Educational buildings are therefore evolving from teaching spaces to learning and living spaces. An open and flexible interior design with large cooperative areas encourages learning, brings joy into everyday study and contributes to well-being. Modern architectural designs plan creative ways, places and perspectives of learning for new school and university buildings in this sense. Strong partners for successful building projects are and remain materials and surfaces that are robust, durable and healthy: ceramic tiles from Agrob Buchtal.



Schloss-Schule Kirchberg, Baden-Württemberg (Germany) / façade with the architectural ceramic series KeraShape  
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The choice of suitable building materials is essential in educational buildings, because intensive, time-bundled use, such as breaks, places high demands on the resilience of materials. For this reason, ceramic tiles are clearly in vogue for educational buildings. They are extremely robust and at the same time highly versatile. In foyers, corridors, refectories, kitchens, specialist classrooms and schoolyard areas, ceramic tiles show how easily the theme of connecting indoors and outdoors can be told. This is ensured, among other things, by different slip-resistance classes that make it uncomplicated to create a visually uniform floor design across areas with different hygiene and safety requirements. The interior space is extended to the outside, the exterior space is visually brought inside. Many different tile sizes, colours and surfaces are available for this purpose, which can be individually adapted to the project if required, no matter who goes up the wall or lies on the floor - large formats or mosaics. With ceramic tiles that can be easily combined in modular series, learning landscapes are created in colours that perfectly match the room concept and appeal to all the senses.

**re-use + renovation + recycling = ceramic sustainability**

The mineral base material is almost completely processed in production, can be reused as a recycled material in a new form and application and, as a system for ventilated façades, can of course be deconstructed. Made from natural clay, ceramic elements always offer an ecologically solution that is also economical in terms of long-lasting. Old buildings whose technical systems, escape routes and interior fittings no longer comply with today's state of the art and legislation, can be built around every corner and curve with ceramic tiles. Structurally inadequate façades, outdated and unhygienic sanitary installations and worn wall and floor coverings benefit from the colour and design diversity of ceramic tiles. Ceramic tile goes with everything: including attached refectories, multifunctional auditoriums, gyms and swimming pools. Unlike vinyl or fibre cement, the versatile "school material" is acid-resistant and always retains its colour intensity and luminosity even after cleaning with harsh cleaning agents.

**Healthy indoor climate**

Among the many functional requirements that ceramic tiles fulfil in educational buildings is their health safety: they do not cause any vapours or emissions and ensure a healthy, allergen-free environment. Agrob Buchtal ceramic tiles have another unique property: they have a Hytect surface finish that activates natural processes to purify the air of, for example, nitrogen oxides and odours (an invaluable advantage in sanitary, changing and shower rooms) and releases light and oxygen (growth of mould, viruses and bacteria is inhibited directly on the surface). All these properties also make the material the ideal building material for weathered façades.

**Ceramics in the façade**

Architectural ceramics can be used in tubular or angular form, as tiles or as custom-made mouldings, and can appear in a wide variety of colours and surface textures - as ventilated façade constructions as well as permanently bonded, e.g. as the top layer of a composite thermal insulation system. Ceramics are colourfast and lightfast and can potentially be used everywhere in and on the building. The material brings urban planning expertise with it: it facilitates the embedding of buildings in their surroundings and enables precise and subtle transitions between inside and outside.

The ceramic tile goes with everything. Holistic architectural concepts find high-quality, durable and sustainable support in ceramic components in all areas of application to realise what educators need for their cooperative learning methods: Intelligent space.

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