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MINERAL COMPOSITES

Composite materials offer great possibilities for customized design solutions. Material qualities can be adapted for specific needs, their shape and colour can be freely chosen. Traditional composite materials like cement or marble dust render a stone like appearance with the advantage of free colouring or casting. Modern mixes include the so called „solid surfaces“ – materials on a polyester or acrylic basis. They have an ambient stone like character and can be shaped without any visible seams. Beyond the meanwhile established application of „solid surfaces“ as kitchen or bathroom tops, it lately became a favourite material for innovative interior applications: walls, furniture and floors can melt into one continuous surface. The need for a free form material can be seen in the architectural and designer scene worldwide. The first Beijing Architectural Biennale just presented a show on the „infinite apartment“ – featuring the case study „infinite interior“ by Austrian Delugan Meissl – partly built from solid surface materials. Designer Ron Arad just explored the application as a lighting element at the last Venice Architectural Biennale: a giant screen was created by combining the material with fibre optic technology. There are numerous manufacturers on the market now offering different specific qualities such as fungicidal, printable or castable material.



Quartz Crystal Stone

This is an advanced composite material made of 93% quartz and pigments. The optical depth of quartz crystals creates an unusual light play of the polished surface. The high percentage of quartz makes it robust. Like natural stone it can be processed and cut precise in measure and serves for walls and floors. The material comes in slabs (1,30 m x 3 m). It has to be cut with diamond tools due to the extreme hardness of the material. Colour and structure go through the entire depth of the material. Because of its density this material is dirt-resistant and needs no sealing.



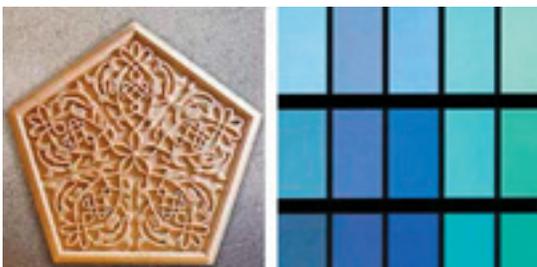
Liquid Mineral

This polymere-based material is a combination of artificial resin and aluminium hydroxide. During the production process this liquid material can be shaped in any form. After curing the shape and surface can be refined. This material is installed in different applications as object or furniture. Especially for sanitary usage this material is very suitable.



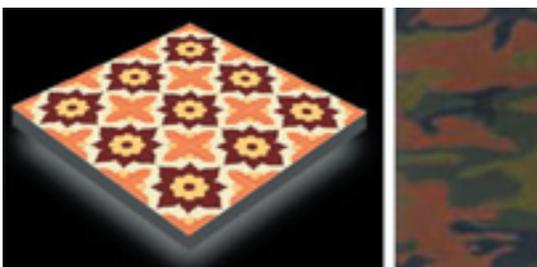
Printed Composites

Sublimation is a special print technique for mineral composites. Treated with heat and vacuum the colour containing special acrylpolymer gets into the material which makes the printed image more resistant. After printing the mineral materials can be processed like before. Water soluble colours make this an affordable and nonpolluting technique.



Stone Surface

This material can be used to provide a hard and durable stone finish in shapes or designs that would be prohibitively expensive when carved in real stone. Crushed marble powders are combined in varying proportions to create completely natural stone colours without any addition of pigment. All products are hand crafted from entirely natural minerals and slight variation in colour and texture within and between panels should be expected. Panels are finished with an acrylic sealer to reduce surface absorbency and to provide resistance against dirt and grime. The material is available in an extensive range of natural stone colours.



Cement Tiles

These handmade cement tiles are manufactured with a mixture of marble dust, rock granules and pigments. The coloured tiles and mosaic tiles offer an endless variety of different designs for walls and

floors. Depending on the finish they have a matt or shiny surface. After a special treatment they serve for wet areas and kitchen. The tiles are available in the following sizes: 7 x 7, 10 x 10, 15 x 15 cm, 20 x 20 cm, 25 x 25 cm and 30 x 30 cm, hexagonal and octagonal.



Antibacterial Surfaces

This mineral material contains silver-ions which prevent a permanent bacteria protection, without any extra coverings. Silver has an fungicide and antiseptic effect on germs, so for example this material is a perfect surface in the kitchen. It has the hardness and resistance of stone, combined with the flexibility and smoothness of modern acrylic, made from granite particles mixed with acrylic to form a smooth but rock hard material. This antibacterial material is available in four colours.