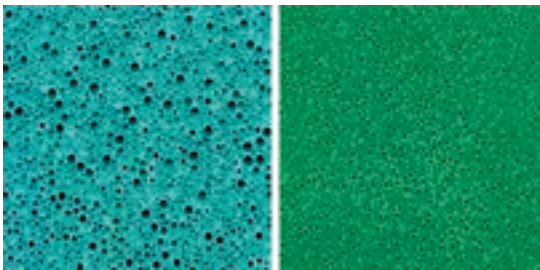


Architonic.com; *Material Research*; 2005

## SOLIDS

Artificial stone materials - mostly cement or polymer based composites - gain more and more importance in interior design as an alternative to natural stone. Customized solutions are made possible by mixing different ingredients, binders and aggregates to achieve the desired surfaces and properties. Even 'classical' concrete has seen major developments in technology and aesthetic appearance. The structural and design potential of concrete has influenced 20th century architecture like no other material. Due to its liquid state during construction there is an unlimited potential for free forms - combined with high structural strength after curing. Therefore concrete is still the number one material for innovative building design.



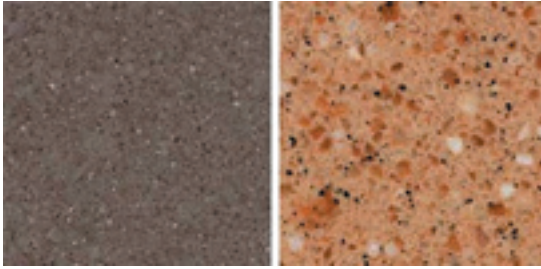
Cement + Glass Beads

This material consists of cement, glassbeads of different sizes ( up to 16 mm ) and pigments. By grinding and polishing the surface the glassbeads become visible. As terrazzo, stuccolustro or tiles this material is suitable for all kind of indoor applications. It has excellent mechanical properties and is available in a variety of colors.



Gypsum Cement Stone

Polishable material with high mechanical properties, which consists of gypsum and mineralic ingredients. It comes in slabs or can be customized as three-dimensional objects. Additives like fibres, colours, fillers or other materials can be added due to aesthetic needs. It can be used for all kind of interior or furniture applications.



#### Quartz Crystal Stone

The material is made of quartz and comes in a great variety of colours. The optical depth of quartz crystals creates an unusual light play of the polished surface. Quartz is one of the hardest naturally occurring materials and nearly reaches the hardness of diamonds. 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. The quartz surfaces are suitable for most interior horizontal and vertical surfaces in both commercial and residential applications.



#### Bright-Colored Cement

Very bright cement that was developed especially to create bright or coloured concrete. The binder not only has very good colouring properties but as well high technological advantages. It can be used to produce a fluid and self consolidating concrete. This cement is suitable especially for precast objects and concrete parts with high aesthetic demands.