

Flexastone



Flexible sandstone is here!

Realstone are the UK distributor for **X²STONE[®]**
Group

Sandstone creates a warm and friendly ambiance, while also displaying a touch of luxury. This is why sandstone buildings dominate the urban landscape of some of our oldest cities. However, due to cost and practicality, sandstone has rarely been used for interior design. This can all change now thanks to the availability of FLEXASTONE A special procedure for creating a thin flexible sandstone at only 1-3 mm thick has been developed after years of research. This process allows large sheets of stone up to 2700 x 1100mm to be produced on the quarry face. This sandstone is on average 3-5 kg per m²; it is very easily mouldable and can be shaped to suit most requirements. Applying a special stone seal guarantees the resistance to water and forms a very durable surface. Installation on site is quiet, generally dust free and quick. Where possible this can also be done off-site. The exceptional technical characteristics and the flexible nature of this sandstone saves valuable construction time as well as costs and opens up avenues not possible until now.

Real Sandstone – Flexible and Malleable:

After being heated, this natural stone adapts to nearly any contour – and this is seamless. Walls; profiles; pillars; tables; corners; bends... any object can be made into "stone", regardless of the object's material – concrete, wood, plaster or plastic. Moldings and corners can be produced by heating the FLEXASTONE to 'mould' to any shape required. This fireproof natural product can be pasted and fixed as tiles on walls and on the floor. Or with a little skill the joints can disappear to give the effect of one massive sheet of stone to do so, the joints are heated and closed. As there are several deposits, FLEXASTONE sandstone is available in many different, wonderful colours. Sandstone is of timeless beauty. This innovative product is light, flexible, malleable and easy to use. It's use is only limited to the imagination.

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Realstone Ltd supplies natural sandstone which, at only 2–3 mm thick is incredibly flexible. Due to its exceptional properties and the B1 rated fire certification, it can be used in many areas within modern architecture. The material is especially useful for façades, flooring and internal decoration. X-Stone is extremely adaptable and can be put onto any dry non-dusty surface. It bends and can be fashioned to the profile of the surface to which it is attached. The options are endless. Internally on wood; mdf; tiles or plaster. For fireplaces, columns, walling and furniture. Externally on rainscreen panels; wall and façade systems whether straight or curved; columns; pilasters... the list goes on.

The raw material

The raw material is available in sheets up to 2700mm x 1100mm. These can be joined close to form a joint free or seamless façade. Virtually any shape can be achieved through thermal and technical treatment. Concrete areas, columns or similar can quickly be changed to appear like "solid natural stone" whilst in situ. Alternatively panels are supplied 'ready for construction' designed to fulfil an architect's vision. These are generally on honeycomb.

The façade

We supply façade panels in various sizes and you can choose from 8 colours. Due to its extremely lightweight the material has excellent build properties. It can be used in an insulated façade system. Honeycomb systems are an ideal carrier for this

lightweight finish. The application of an additional protective coating ensures an even longer lasting durability and resistance to weathering on exterior projects. Internally the stone can be placed on translucent honeycomb panels and back-lit; placed on columns; dividing walls and reception areas as well as cornices. Imagination is your only limit. Our product is easy to recycle and does not put any burden on the environment. All the resins and glues used in the construction of the façades are as ecologically friendly as possible.

The floor

With a fixing height of approximately 3mm, the natural stone flooring is especially suitable in refurbishment and renovation as there is very little height loss. The flooring can be laid directly onto old tiles thus reducing time and cost on the project, not to mention the disruption. The stone also has a very good wear and abrasion resistant surface. Flexastone is weather resistant, hardwearing and abrasion resistant.

The self-adhesive panel

The self-adhesive panel is a ready-made product measuring 600 x 300mm, (also 800 x 400mm) available in a range of colours that can be used internally to enhance the ambience and finish of any room with genuine natural stone. Working with this material is very nearly dust free thus making it very easy to manage. The material presents itself with all the positive properties of the X-stone flexible sandstone. The panels are already sealed and do not require any further treatment.



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