



## ShellShock Designs Ltd.

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### Translucent Faux Alabaster and Marble

Faux Translucent Stone is a surprising collection of extremely elegant and highly attractive "natural" translucent materials for interior use. The translucent stones are not just imitations of Alabaster or Onyx. It is much more. These sheets have each an individual and nicely balanced beauty that makes them a warm and timeless element in every interior: hotels, retail, offices, spa's, airports, hospitals, restaurants and many other, either as furniture, (backlighted) wall or as a lighting instrument. This trendy and innovative product is very well suited for a variety of vertical and horizontal applications in modern as well as in classical art-deco style interiors.

#### Important features

- A beautiful diffuse translucency together with the natural look makes the material perfect when backlit.
- The sheets weight significantly less than real natural stone.
- Sheets can be warmbended in radii from 600 mm (10 mm thickness).
- Easy to process; glueing, milling, drilling and sanding.
- This material is highly price-competative compared to real translucent stones.
- Easy to clean and maintain.
- The chemical resistance is very good.
- The sheets have an excellent color stability for inside use and reasonable for outside use.
- Excellent fire behaviour: class Bs1d0 according to European norm 13501.



# Applications

## Inside and outside use

A relatively new application is signs, and letters. It has an excellent colour stability for inside use and reasonable for outside use.



## Backlit applications

Backlit applications are certainly the most attractive applications of the Faux Alabaster Stone. Reception desks, bars, lighting fixtures, but also walls or ceilings installed on acrylic light-guide sheets with LEDs are extremely easy and impressive!



## Flavors, liquors and fragrances

Faux Translucent Stone has been tested by us for applications in direct contact with fragrances, perfumes and liquors. We did not notice any difficult-to-remove stains, decolourisation or traces of chemical attack. For that reason Faux Translucent Stone is very popular for applications in retail and hospitality.



## Wall covering

Without light Faux Translucent Stone is of course also very nice, elegant, classic and practical for example as wall covering. The material is also very well suited for use in wet surroundings. The chemical resistance is very good and it can easily be cleaned and maintained.



## Reception desks and bars

As the weight is low compared to real natural stone Faux Alabaster Stone is used more and more in the interior and yacht building. The material is easy to process; gluing, milling, drilling and you can even bend it in radii from 600mm (10mm thickness).







## Material description

### Handmade sheets

All Faux Translucent Stone sheets are individually made in a manual process and therefore every sheet is unique. Faux Translucent Stone is made of polyester and the natural material aluminium hydroxide. The surface of the sheet is either gloss or matt and the sheets are standard made for one side use. Additional sanding and polishing is possible.

### Maximum sheet size

The maximum sheet size is 2440x1220 mm.

### Thickness tolerance

The sheets have a minimum thickness tolerance. Typical is +/- 10% variation within a sheet. We have a technical datasheet available with more information.

### Maintenance

Faux Translucent Stone is easy to maintain and clean with soft towels, soap and if necessary ammonia. Scratches in the surface can be sanded or polished.

### Quality assurance procedures

Because every sheet is handmade, we visually check every sheet in our warehouse.

### Certificates

Formal tests have been done on 2/3/2016. Material has rating fire class Bs1d0 according to EN13501. You can request the official fire certificate and other certificates.

### Fabrication / made-to-order

ShellShock Designs offers full fabrication facilities: cutting-to-size, milling, bending, gluing, printing and assembling. Please contact us for more information regarding all the fabrication possibilities. If you want to fabricate yourself, we have a fabrication manual for you.

## Technical specifications

<b>Linear coefficient of thermal expansion</b>	0.4 mm/mtr/10 0C
<b>Maximum temperature for continuous use</b>	80 0C
<b>Density</b>	1.8 kg per m2/mm (type 1001 = 2.25 kg)
<b>Izod shock resistance acc. to ASTM D256</b>	78 0F 16 J/mtr
<b>Force needed to break acc. to ASTM D790</b>	43 MPa
<b>Tensile modulus (e-module) acc. to ASTM D790</b>	4550 MPa
<b>Light transmission</b>	>20%
<b>Thickness tolerance</b>	+/- 10% of nominal thickness
<b>Maximum span</b>	600mm (10mm thickness normal use)
<b>Flammability</b>	BS1D0 acc. to EN13501

### Additional information

- Technical datasheet
- Fabrication manual
- Cleaning instructions
- Fire certificate

### Responsibility

The above documentation has been made with care. However, it is the full responsibility of the client or user to investigate in all relevant aspects whether the material and the way it is used is suitable and safe for the intended application.

ShellShock Designs are not responsible/liable for any mistakes in the above text.