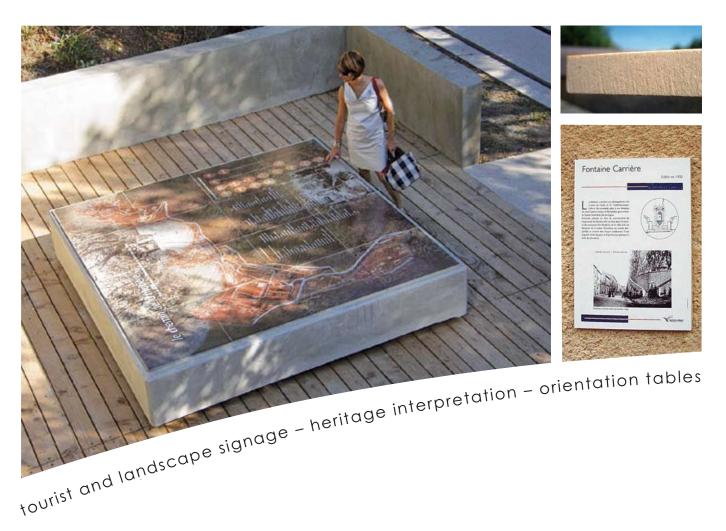
ENAMELED ARTIFICIAL STONEWARE



everything you need to know about enameled artificial stoneware





Gres is an enameled artificially extruded stoneware that has conventionally been used mainly for external cladding in building facades and for floor tiling. With the supplementary printing technique the material obtains a new dimension, allowing numerous applications for indoor and outdoor signage such as

- Murals
- Orientation and information signs
- Benches and special constructions
- Illustrated floors
- Swimming pools and fountains









Stoneware slabs
(extruded stoneware type,
standard NF/EN 121AI)
meet standards EN 98 to EN 105 for
thickness regularity, flatness
and breaking strength.

Standard size: 592 x 892 mm.

Maximum size: 894 x 1194 mm.

Thickness: 6 or 8mm. depending on size of unit

Weight: 18kg/m² at thickness 8mm.



Resistance and maintenance

Enamelled artificial stoneware is impervious to climatic factors, to sudden temperature changes (frost or extreme heat) as well as to sun radiation. It is unaffected by pollution or corrosion caused by sea air, sand or haze.

Scratch & impact resistant

It is resistant in case of scratching with a key or other similar sharp object, even on the coloured printed areas. Furthermore it has an excellent resistance in case of impact.

Graffiti

All types of graffiti may be easily removed from the surface of enamelled artificial stoneware with the use of a common solvent (acetone), leaving the colours entirely unaffected.









Decorative elements

Printing on enamelled artificial stoneware is achieved with a serigraphic-type process using silk screens and special fire resistant enamels that are fired at around 850°C for about 10 hours. It is possible to obtain one or more colours, all the way up to four colour process quadricromy or more.



Ideal for large surfaces

Enamelled artificial stoneware is the ideal solution for large surfaces. With a maximum size per unit of 894x1194 mm. it allows printing until the edge of each unit. The straight cut edge permits pieces to be placed adjacently to each other, leaving a very small joint (~1mm.) and there is practically no limitation to the number of units that can be used to compose a design. Furthermore, the stoneware can be cut in any shape with the use of waterjet cutting.















Why choose enamelled artificial stoneware

Natural product - Ecological production process - 100% recyclable - Without toxic radiation

Product Qualities

Product	Natural	Recyclable	
Enamelled lava	YES	YES	
Aluminium sheets	NO	YES (incineration)	
Wood	YES	YES	
PVC	NO	YES (incineration)	

Resistance of material and decorations

Process	Colour resistance	resistance to acids and dilutants	vandalism (graffiti and scratches)
Enamelled artificial stoneware	> 30 years	Excellent	Excellent
Digital printing	no guarantee	NO	NO
Ink silkscreening	no guarantee	NO	NO

Base and graphic design













Design and production of base supports from a vast selection of materials, as well as the installation of the signage systems is included in SIGNS&LAVA services. We also undertake the graphic design. All you have to do is give us your original material (texts, images, drawings) and the desired direction to be followed and we can take care of the rest, for a high quality turn-key solution.

