

# ENAMELED ARTIFICIAL STONEWARE



tourist and landscape signage – heritage interpretation – orientation tables

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



## 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.



Stoneware slabs (extruded stoneware type, standard NF/EN 121A1) 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/m<sup>2</sup> at thickness 8mm.

## 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.



**Warranty** Enamelled artificial stoneware is accompanied by a 10 year warranty for resistance of colours.





## 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.

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