

This is a collection of engobes designed for engobing and decorating pieces of stoneware or porcelain. The collection can also be used to produce parts by 3D printers, slip pieces and also application by slip-trail bottle to create coloured relief designs on the pieces. The series comes in both powder and suspension form.

For handicraft, non-industrial application, they can be applied by paintbrush, spray gun and dip glazing, and for industrial application, by bell-shaped application, spray gun and dispersion disc.

They are suitable for single as well as double firing. For the former, we recommend using a 5% solution of Monocol V for better adhesion of the glaze to the piece.

The temperature range is from 980°C to 1280°C, with the best colour yield achieved at 1280°C. To achieve the best colour development of the engobes at 980°C, it is necessary to cover the engobe with a transparent glaze, since the result without said glaze would be a pastel tone.

How to use in powder form:

Depending on the type of application chosen, the rheology must be considered, by altering the density and viscosity per each type of application. The water to powder ratio will depend on the chosen application type as well as the porosity of the piece to be engobed or decorated. Carrying out an initial test with a 1:1 water to powder ratio is recommended. If necessary, additives can be added to achieve the required consistency.

How to use for 3D printed pieces:

Ratio of "EASP" Series powder to water (density and viscosity must be appropriate according to the printer and the thickness of the ceramic piece).

How to use for slip:

"EASP" Series powder + 40% water + 0.1% sodium silicate

If needed, do not hesitate to contact our Technical Department for any queries or clarifications.

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Firing conditions and technical characteristics for this type of piece:

Bisque-firing temperature: 980°C

Engobe firing: 1260°C

Contraction while firing: 12%. Water absorption: 0.5%

How to use in suspension form:

For application on high-porosity pieces, adding water to dilute the solution is recommended. Taking up some of the engobe, using a soft brush, either flat or rounded, we apply it to the piece, covering as much of the surface as possible, using as many strokes as needed to leave an even layer of engobe over the piece before it dries. Once the first layer has dried, apply a second layer, covering the first strokes, to leave an even covering again, for a uniform finish.

Engobes in suspension form can also be applied by hand using the slip-trail bottle to create relief designs on the piece.

In any case, do not hesitate to contact our Technical Department if you have any queries or clarifications.

REFERENCES:

ENGOBE EASP-00 BASE	ENGOBE EASP-09 VICTORIA GREEN
ENGOBE EASP-01 WHITE	ENGOBE EASP-10 LEAFY GREEN
ENGOBE EASP-02 YELLOW	ENGOBE EASP-11 BLUISH GREEN
ENGOBE EASP-03 EGG YOLK YELLOW	ENGOBE EASP-12 LIGHT BLUE
ENGOBE EASP-04 BLUSH	ENGOBE EASP-13 MEDIUM BLUE
ENGOBE EASP-05 SALMON	ENGOBE EASP-14 COBALT BLUE
ENGOBE EASP-06 RED	ENGOBE EASP-15 GREY
ENGOBE EASP-07 BROWN	ENGOBE EASP-16 BLACK
ENGOBE EASP-08 CHOCOLATE	

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