

## Engobe Blends Using Color Concentrates

Engobe is the generic name for "Clay Based" Underglazes. By far the best fit of opaque color to greenware is derived by using the liquid clay body (slip) from which the ware was cast. A perfect color to ware fit every time. If you purchase your greenware use the following basic mix to create an opaque underglaze for greenware.

### Making Engobe Blend for Greenware:

- 1 part Slip or CSP20 Terra Firma
- 1 part Color Concentrate
- 1 part water (distilled is good)

Apply 3 coats allowing to dry in between coats. You will love the application of the underglaze you have just created.

Fire your greenware to the recommend clay maturing cone. [See notes below.](#)

Apply three (3) coats of CG900 allowing to dry between coats; fire to witness cone 05-06 with a 20 minute hold at the end of the firing cycle. If you have a manual kiln you can also order cone 05 1/2 from your local supplier, which will give you an 06 with a 20 minute hold.

### Making an Underglaze For Bisque:

When decorating on bisque, you may want to use a clay based underglaze because of it's flat opaque qualities.

### Engobe Blend for Bisque

- 1 part Terra Firma
- 1 part Color Concentrate
- 1 part water (distilled is good)
- 1/2 part CSP02 Designer Glaze Medium

Stir and blend using a fan brush. Apply 3 coats to 04 bisque. You can design directly on top of your engobe application. Apply CG900 clear or transparent glaze, 3 coats allowing to dry between coats.

Fire to cone 05-06 with a manual cone sitter or 06 with a 20 minute hold at the end of the firing cycle if you have a computerized kiln controller. If you have a manual kiln you can also order cone 05 1/2 from your local supplier, which will give you an 06 with a 20 minute hold.

**NOTES:** The CFE Color System Concentrates will high fire on both stoneware or porcelain. You would follow the mixes in Engobe Blend using the clay body of your choice. Your firing temperature for greenware is determined by the clay body you are using.  
Example: Stoneware cone 6.. Create the blend using your casting slip, follow the directions above and then fire to cone 6.

[Do Not Use Terra Firma for high fire engobe, you must use the clay body in casting formula or create a slurry.](#)

Application On Ware Comparisons:
Cover Coat
Opaque Underglaze (UG)
Engobe
Color Coats



Marbles above have a blue engobe on them and then a pattern was Sgraffitoed out.

**CSP20 Terra Firma is available in 8 oz. and 16 oz. squeeze bottles.**