

Simple Foundation using a Cream Base

(Sample Recipe for Liquid Iron Oxide Pigments)

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Phase A	Weight %	For 30g/1 oz
Balanced Cream Base (cream base)	76.75 %	76.75 g / 2.7 oz
Iron Oxide Yellow Liquid (pigment)	1.8 %	0.54 g / ~4drops
Iron Oxide Red Liquid (pigment)	0.2 %	0.06 g / ~1 drop
Iron Oxide Black Liquid (pigment)	0.15 %	0.05 g / ~1 drop
Titanium Dioxide in Oil (mineral dispersion)	20.0 %	6 g / 0.2 oz
Phase B		
Dimethicone 500 (silicone) (optional)	1 %	0.3 g / ~6 drops
Phase C		
Fragrance (optional)	0.1 %	0.1 g / ~2 drops

Method

Start by mixing the first pigment (yellow) into the cream base. Mix well until the color is very well dispersed. Add the second color (red). Mix well. Add the third color (black). Mix well. Add the titanium dioxide. Mix well. Note that the "drops" measurement is not accurate but will give you an idea about the proportions of the different pigments.

Test the shade. This is quite a light shade with a yellow undertone. Add slightly more red if you want a more red undertone. Black will balance the red in the formulation but use sparingly. If more coverage is desired adding more of the titanium dioxide will do that. Add phase B and mix well. The dimethicone will give a nice rub-in feel. Add phase C (optional) and stir well.

Troubleshooting: if the cream separates (this can happen if too much pigments are added), you may need to add an additional emulsifier such as Polysorbate 80 (0.5%/~10drops).

Properties

This is a simple starter formulation showing the ratio of the different pigment dispersions. Other cream bases will work as well, for example the concentrated cream base & the premium cream base. As will all bases that are going to be diluted results vary and in some cases an additional emulsifier is needed to stabilize the emulsion.