

Studio White Glaze Recipe

Studio White is a cone 6 glaze recipe that originally comes from Glazy.org, and it has become a popular glaze among a number of YouTube potters. I've started using it in my own studio as well, and after sharing some of my results, several subscribers have asked where they can find the recipe.

To make it easier, I'm adding it here on my website as a handy reference.

Studio White is a forgiving white glaze that can work well on different clay bodies, though as always, every clay, kiln, and firing schedule can give slightly different results. I recommend testing it in your own studio before using it on a full batch of work.

The recipe below is shown in percentages, and I've also included the ingredient amounts needed to make a 1000 gram batch. This should make it a little easier if you're ready to mix a small test batch and try it for yourself.

Glaze > White, Off-White

Studio White 619937

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Status: **Testing** Surface: **Glossy** Transparency: **Opaque**

Original Language: English

Specific Gravity: 1.45 Additional Water %: 85

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Recipe

	Material	Amount
	Minspar 200	47.40
	Silica	20.30
	Gerstley Borate	13.90
	Zircopax	10.00
	Whiting	8.40
	Dolomite	6.00
	Zinc Oxide	4.00
	Bentonite	2.00
<i>Total</i>		112.00

Orton Cone **6**
Atmospheres
Oxidation

Studio White Glaze – 1000 g Dry Batch**Cone:** 6**Atmosphere:** Oxidation**Surface:** Glossy**Transparency:** Opaque**Specific gravity from source:** 1.45**Total recipe:** 112.00 parts**Batch size:** 1000 g dry materials**Formula used:** ingredient amount ÷ 112.00 × 1000 g

Material	Amount for 1000 g batch	What it does
Minspar 200	423 g	Soda feldspar. Helps the glaze melt and form glass.
Silica	181 g	Main glass-former. Helps make the glaze hard, durable, and glassy.
Gerstley Borate	124 g	Boron flux. Helps the glaze melt more easily at cone 6.
Zircopax	89 g	Opacifier. Makes the glaze more opaque/white.
Whiting	75 g	Adds calcium, helping with melt, surface quality, and durability.
Dolomite	54 g	Adds calcium and magnesium. Can help create satin or matte finish.
Zinc Oxide	36 g	Flux. Helps the glaze melt and smooth out; can affect colour response.
Bentonite	18 g	Helps keep the glaze suspended and improves dipping/application.

Total dry weight: 1000 g

Water

Start with about 700–750 ml of water, then add more slowly as needed.
For a **1000 g dry batch**, the final water amount may end up around **800–900 ml**,
depending on how thick you like your dipping glaze.

The source lists the **specific gravity as 1.45**, so that's a good target
if you like to measure your glaze that way.

Simple way to remember it

Minspar 200 + Gerstley Borate + Whiting + Dolomite + Zinc Oxide = help it melt

Silica = makes the glass

Zircopax = makes it white/opaque

Bentonite = helps it behave nicely in the bucket