



SO-Strong Colorants for Liquid Urethane Rubbers, Plastics & Foams

SO-Strong™ liquid urethane colorants can be added to any Smooth-On liquid urethane rubber, urethane plastic or urethane foam (do not use with Smooth-On silicones). They can be used to create a variety of color effects for a wide range of material applications. For glowing fluorescent color effects, use *Ignite* colorants.

SO-Strong™ colorants are highly concentrated, offer excellent dispersion and consistent color. A very small amount will color a proportionally large amount of liquid urethane material. The more you add in proportion to the volume of liquid urethane, the more dramatic the color effect. Recommended loading range is .01% to 3% of total system weight. Do not overload the liquid urethane system or cure inhibition / oozing may occur.

If this is your first time adding color to a urethane system, it is recommended that you test the color effect by adding a few drops to a small amount of material and observe the outcome.

Color Tints: Black, Brown, Yellow, Purple, Green, Orange, Red and Blue.

Color Pigments: White and Fleshtone

BLACK Pantone Black C	WHITE Pantone White C	BROWN Pantone 483C	YELLOW Pantone 102C	PURPLE Pantone 2603C
GREEN Pantone 336C	ORANGE Pantone 021C	RED Pantone 200C	FLESHSTONE Pantone 148C	BLUE Pantone 300C

To get you started, we offer the following colorant loading levels. Results may vary.

By Weight Using A Gram Scale; Add SO-Strong™ colorant at a ratio of between 0.1% - 3% of the total weight (Parts A + B mixed) of the material being cast. Adding more than 3% by weight may cause cure inhibition.

By Volume Measured In Drops - Add 10 drops of SO Strong™ per 3 oz (88 ml) of mixed urethane material. If using a translucent material (like Smooth-Cast 325) you can use 1 drop to maintain translucency of the material.

Directions For Use: After dispensing the required amount of urethane material Parts A and B into measuring containers, add colorant to Part B and mix thoroughly. Combine Parts A and B into a mixing container and mix as directed by the urethane product technical bulletin.

Blending Colors - Combine different colors on a palette to create a custom color before adding to material as directed above.

Important; Smooth-On offers this color guide as a general reference only and assumes no responsibility for color accuracy or matching. Results will vary from one urethane material to another. The end user is solely responsible for determining color suitability and accuracy. Small scale testing is recommended.

See other side to learn more Ignite™ fluorescent colorants.



Ignite™ Fluorescent Color for Liquid Rubbers, Plastics & Foams

The **Ignite™** line of liquid fluorescent colorants is compatible with Smooth-On urethane rubbers, plastics, foams (rigid and flexible) and tin-catalyzed silicone (*Ignite will work with platinum-catalyzed silicone, but has a thickening effect on the rubber - see below*). The fluorescent or “glow” effect is maximized under ultra-violet light or “black light.” The most dramatic color effect is realized when an *Ignite* colorant is used with a clear or translucent urethane rubber (such as Clear Flex 50) or plastic (such as Smooth-Cast 325).

What Makes Castings Made With Ignite™ Pigments Appear To Glow? When you add Ignite fluorescent color to a urethane material, more ultraviolet light from the cured material is visible to your eye vs. castings made with SO Strong™ colorants. Castings appear brighter in ambient light and appear to glow under UV light.

Fluorescent Red Rubine Red	Fluorescent Blue Pantone 300C	Fluorescent Green Pantone 354C	Fluorescent Orange Pantone 805C
Fluorescent Pink Pantone 806C	Fluorescent Yellow Pantone 809C	Fluorescent Magenta Pantone 813C	Note: These colors are approximations and can not duplicate fluorescence.

To get you started, we offer the following colorant loading levels. Results may vary.

By Weight Using A Gram Scale; Add Ignite™ colorant at a ratio of between 0.5% - 1.5% of the total weight (Parts A + B mixed) of the material being cast. 1% pigment yields the best results. Adding more than 1.5% by weight offers no benefit and is a waste of the colorant. Too much colorant may cause cure inhibition.

By Volume Measured In Drops - Add 30 drops of Ignite™ per 3 oz (88 ml) of mixed urethane material. If using a translucent material (like Smooth-Cast 325) you can use 15 drops to maintain translucency of the material.

Pre-Mix Before Using: Ignite™ colorants are pigment dispersions and may separate over time. They must be thoroughly pre-mixed in the container before using with a liquid urethane product.

Directions For Use: After dispensing the required amount of urethane material Parts A and B into measuring containers, add colorant to Part B and mix thoroughly. Combine Parts A and B into a mixing container and mix as directed by the urethane product technical bulletin. **Blending Colors** - You can combine different colors on a palette to create a custom color before adding to liquid urethane product as directed above.

There are no issues when using this product with urethane rubbers, plastics and foams or tin-catalyzed silicones. *However . . . Ignite pigments will drastically thicken platinum silicone rubber* - Adding Ignite Pigments to a Smooth-On platinum cure silicone such as Dragon Skin or Smooth-Sil 920 will make the silicone notably thicker, thereby affecting its ability to be vacuum degassed. Recommended loading maximum is 1% Ignite pigment by weight. Option for using Ignite colorants with a platinum silicone may be to use pigmented material as paint for brushing on to an existing platinum silicone casting or appliance. You can use Ignite pigments with our Psycho Paint system.

Important: This color guide as a general reference only and no warranty is offered for color accuracy or matching. Results will vary depending on the liquid urethane product used. A small scale test to determine suitability for your application is recommended.

Looking For A CLEAR Fluorescent Additive? **Cryptolyte™** is a clear additive that can be added to urethane or silicone materials that will cause cured material to glow a bright blue when exposed to UV light.