FuseFXTM – S-300 Series FISC Pigments

TECHNICAL BULLETIN

Production Overview & Instructions

For professional use only

These FISC Silicone Pigments *(AKA Functional Intrinsic Skin Colors)* are the fundamental basics of all human skin tones. Adding a few drops of these pigments to your clear Platinum silicone (example: Smooth-On's Dragon Skin, Ecoflex, platinum base silicones etc…) will give you a foundation to mimic human skin.

FISC Silicone Pigments are versatile and easy to use silicone pigments developed for medical prosthesis, special effects prosthetic artisans, doll makers, etc. to easily create a skintone base color effects for their platinum silicone creations.

Once demolded, you can complete the coloring by using FuseFX line of Platinum silicone paints. We recommend that the cured piece to be painted, be no more than 2 days old.

Clean All Surfaces That Will Contact FuseFX Paints. All surfaces to be painted, need to be free of any contaminants (especially mold release). If necessary, clean all surfaces with solvent (Toluene, Xylene, or Naphtha), and allow to dry before painting.

FuseFX S-300 Series FISC Silicone Pigments can be used in ALL silicone bases.

ALWAYS SHAKE WELL BEFORE USE

Due to the nature of how the silicone pigments are suspended for dispersion, it is strongly advised to **SHAKE WELL** before use. Even if the bottle has been sitting for a few minutes, it's always best to shake well again before using.

MIX RATIO

Basic mixing ratio for a 10A shore Platinum base silicone, ie: Smooth-On Dragon skin, etc...
3 drops of pigment per 10 grams by weight of catilized silicone (A & B).

Basic mixing ratio for a softer Platinum base 0030 shore silicone, ex: Smooth-On EchoFlex 0030 or silicones that have additives like Smooth-On's Slacker, thinners, fluids or other additives., you may have to add LESS pigment.
2 drops of pigments per 10 grams by weight of catilized silicone (A & B).

Adding too much pigment can alter the color, adding too little pigments will make your piece too transluscent.Certain silicones do behave differently in large quantities and you may need to reduce the amount of pigments to the mix and adjust accordingly.

ALWAYS RUN A TEST SAMPLE FIRST.
It's cheaper to ruin a 10 gram test sample that to ruin a 300 gram batch.

Some ratios that may used as guidelines...
For example:
One bottle of S-304 contains 30 grams or approx. 1,000 drops. So one bottle of S-304 pigment could tint approx. 3,300 grams of silicone, approx. 7.2 pounds or 116.4 oz.

This is not precise but very close. Some pigments are heavier that others.

0.55 grams = 20 drops
0.83 grams = 30 drops
1.1 grams = 40 drops
1.6 grams = 60 drops
2.2 grams = 80 drops
2.7 grams = 100 drops

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Ratio 1
Drops of pigment to ***silicone (10 A shore)***
The ratio is **3 drops for every 10 grams of mixed A & B (catilized) silicone**.

Example:

3 drops of pigments for 10 grams of silicone.
6 drops of pigments for 20 grams of silicone.
30 drops of pigments for 100 grams or silicone.
60 drops of pigments for 200 grams of silicone.
90 drops of pigments for 300 grams of silicone.

Gram weight:

0.83 grams of pigments for 100 grams of silicone.
1.6 grams of pigments for 200 grams of silicone.
4.15 grams of pigments for 500 grams of silicone.
8.30 grams of pigments for 1,000 grams of silicone.
12.45 grams of pigments for 1,500 grams of silicone.
16.60 grams of pigments for 2,000 grams of silicone.
24.90 grams of pigments for 3,000 grams of silicone.
41.50 grams of pigments for 5,000 grams of silicone.
83 grams of pigments for 10,000 grams of silicone.

ALWAYS RUN A TEST SAMPLE FIRST and SHAKE WELL BEORE USE...!

Ratio 2
Drops of pigment to ***soft silicone (0030 shore)***
The ratio is **2 drops for every 10 grams of mixed A & B (catilized) silicone.**

Example:

2 drops of pigments for 10 grams of silicone.
4 drops of pigments for 20 grams of silicone.
20 drops of pigments for 100 grams or silicone.
40 drops of pigments for 200 grams of silicone.
60 drops of pigments for 300 grams of silicone.

Gram weight:

0.56 grams of pigments for 100 grams of silicone.
1.12 grams of pigments for 200 grams of silicone.
2.8 grams of pigments for 500 grams of silicone.
5.6 grams of pigments for 1,000 grams of silicone.
8.35 grams of pigmenst for 1,500 grams of silicone.
11.20 grams of pigments for 2,000 grams of silicone.
16.80 grams of pigments for 3,000 grams of silicone.
28 grams of pigments for 5,000 grams of silicone.
56 grams of pigments for 10,000 grams of silicone.

ALWAYS RUN A TEST SAMPLE FIRST and SHAKE WELL BEORE USE...!

Ratio 3
Grams of pigment that may be required for ***large silicone batches***.
The ratio is **1.5 drops for every 10 grams of mixed A & B (catilized) silicone**.

Gram weight:

4 grams of pigments for 1,000 grams of silicone.
6 grams of pigmenst for 1,500 grams of silicone.
8 grams of pigments for 2,000 grams of silicone.
12 grams of pigments for 3,000 grams of silicone.
20 grams of pigments for 5,000 grams of silicone.
41 grams of pigments for 10,000 grams of silicone.

ALWAYS RUN A TEST SAMPLE FIRST and SHAKE WELL BEORE USE...!

SAFETY FIRST

All FuseFX products are safe to use if directions are read and followed carefully. Be careful. Contact with eyes may cause irritation. Flush eyes with soap and water for 15 minutes and seek immediate medical attention. Remove from skin with waterless hand cleaner followed by soap and water.

IMPORTANT

The information contained in this bulletin is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from the use thereof, or that any such use will not infringe upon a patent. User shall determine the suitability of the product for the intended application and assume all risk and liability whatsoever in connection therewith.

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