

Visual Assistance for First Contact™ Polymer Thickness

"How much First Contact should I apply?"

At Photonic Cleaning Technologies, we constantly search for ways to ensure our customers' success protecting and cleaning surfaces using our First Contact Polymer solutions.

Some of the greatest ideas come from feedback provided by our customers, and one common question coming from customer feedback is: "How much First Contact should I apply?"

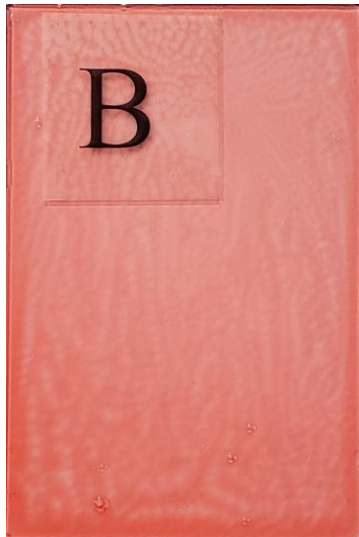
While we have a rule of thumb that a typical application should be about 1ml per 4 in², one can't help but wonder, what does this "look" like? After all, a picture is worth a thousand words!

The images and descriptions of dried film on glass slides below represent a general visual aid for an example of the polymer's dry film color with an appropriate thickness and, therefore, appropriate cleaning ability.

Liquid polymer, in general, retains the same color depth when it is dry.



This color represents a dry film that's probably too thin to properly clean



This color represents a dry film that should be thick enough to remove most contaminants



This color represents a dry film thickness to remove heavy contaminants and oil or grease residue

Many factors can play into polymer thickness (and thus the color you see), such as substrate type and size, orientation, contamination type, and application technique. Also, your dry film's color may not look like the examples above because your substrate may be a mirror, or it may be dark such as a silicon wafer, or have various AR coatings and present a multitude of colors. We cannot account for every scenario, but we can present you with data to be interpreted to your own situation.