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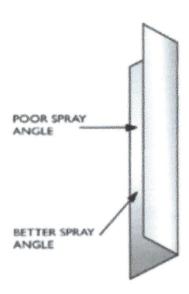


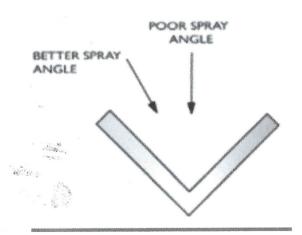




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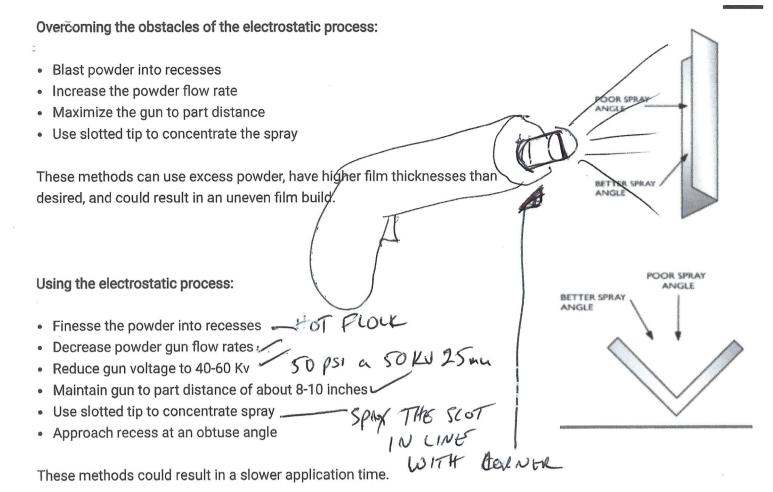




## Powder Coating Application: Overcoming The Faraday Cage Effect

Sep 2nd 2014

The "Faraday cage effect" occurs when the inner recesses and corners of a charged substrate do not have a charge, and the charged powder particles create resistance, making it difficult to coat these areas. There are ways to overcome the Faraday cage effect and better coat inner corners and odd part geometries.



Spraying in the Faraday Cage: spraying at the recesses of a part at an obtuse angle can help to apply the coating properly.

- · Reduces air turbulence
- · Allows deeper penetration
- · Minimizes early back ionization
- · Utilizes more lines of force

For more information about how to overcome the Faraday cage effect, read TCI's Troubleshooting Guide.

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