

xlaFORM Powder Coated Finishes

Powder Coating ZCorp Parts



In the highly competitive world of rapid prototyping, ZCorp's 3D Printers have the unique advantage of being the only RP technology to deliver full color. With xlaFORM every ZCorp user can get the high gloss finish of a real production plastic part.

xlaFORM resin products extend the options for ZCorp prototype parts in physical testing and thermal processes such as the requirements for thermally cured powder coated finishes.

Here's how it works.

1. First the xlaFORM infuser automatically vacuum infuses the part with resin. Next the part is placed in the convection oven for a 45 minute curing cycle.
2. With curing completed the part is placed in a spray booth or suitable spraying area. The powder is applied with an air powered powder coat gun. (An inexpensive hobbyist gun was used for this demonstration.)
3. After powder coating is complete the part is placed in the convection oven for a 20 minute curing cycle.

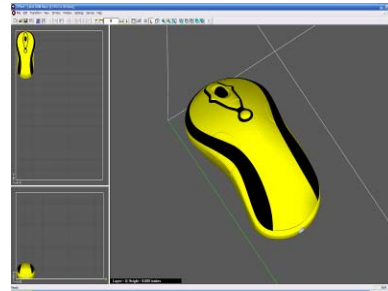
The result is a uniform, durable, high-quality, and attractive finish on a high strength, vibrantly colored part. Powder coating is great for consumer products or any product that needs an enhanced surface finish and durability. Powder coated parts can be made quickly, accurately and very cost effectively with ZCorporation and xlaFORM.

xlaFORM

"Your Automated Infiltration Solution"

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PRINT ► INFUSE ► CURE ► COAT ► CURE



PRINT PART



xlaFORM INFUSER

3D PRINTER



CURE PARTS IN CONVECTION OVEN



APPLY POWDER COATING TO HOT PART



CURE POWDER COATING IN CONVECTION OVEN

3.5 HOURS TOTAL TIME TO COMPLETE

