Z-Corp 3D Color Prints

Fast & Inexpensive Color Models

Solid Concepts now offers a fast and inexpensive solution to simple model making with Z-Corp 3D Color Prints. This additive manufacturing technology is the easiest way to quickly turn 3D CAD data into real colored parts. Parts are created with powdered plaster composite material coupled with a 4 color printing process, allowing for 390,000 possible color combinations. Color is printed directly into the part during the build process, not merely on the surface. This type of color finish eliminates the need for paint during post-processing.

3D Color Prints are ideal for users looking for a cost-effective 3D printing solution for projects not requiring high accuracy or durability. Common applications for Z-Corp 3D Color Prints include:

- Architectural Models
- Figurines
- Basic Appearance Models
- Concept Evaluations
- Student Projects
- Space Studies

Solid Concepts provides a standard Z-Bond infiltrate finish on all 3D Color Prints to improve the surface finish and enhance color. Hand sanding and cosmetic clear coats are also available to better enhance model appearance.

Z-Corp 3D Color Print with standard infiltration process.

Z-Corp Color architectural model with standard infiltration process.

Z-Corp 3D Color Print iPod dock featuring hand sanding & cosmetic clear coat.

Z-Corp 3D Color Prints

Performance Data for Z-Corp with zp150-Z-Bond Material

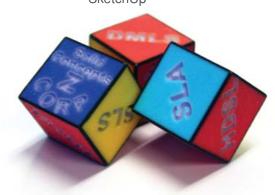| Z Corp with zp150-Z-Bond		
	ENGLISH	**METRIC**
Tensile Strength	2,030 psi	14 MPa
Tensile Elongation	0.2%	0.2%
Flexural Strength	4,500 psi	31 MPa
Flexural Modulus	103,000 psi	7,160 MPa
Shore Hardness	81 D	81 D
Heat Deflection Temperature @ 66 psi	233°F	112°C

Submitting Files for 3D Color Prints

To produce Z-Corp 3D Color Prints, Solid Concepts needs files provided in a format that supports color mesh, such as VRML, PLY, 3DS and ZPR. Alternatively we can apply the color or images you provide to your specification as an additional service. Any section not colored in the file will be bright white as white is the natural material color.

While there are hundreds of 3D CAD modeling software programs available, the following are common programs that support exporting to the VRML, PLY, 3DS and/or ZPR formats.

3D Modeling

- Lightwave
- Maya
- 3DS Max
- formZ
- Rhino
- Cinema 4D
- Blender
- ZBrush
- SketchUp

MCAD

- SolidWorks
- Catia 5
- ProE
- Autodesk AutoCAD software family
- Inventor
- SpaceClaim
- formZ
- Rhino
- Deep Exploration

Architecture

- Revit
- Bentley BIM software
- SketchUp
- Chief Architect

3D Mesh repair

- ZEdit Pro
- Magics
- 3Deskartes
- Rhino
- formZ

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