

Permabond®

3D Print Infiltrants

ISO 9001 Certified
"Our Science ... Your Success"

See below to learn why Permabond 3D printing infiltrants are preferred for strengthening and sealing 3D printed models produced via granular 3D printing methods.

Permabond® 3D Print Infiltrants Features & Benefits

- Single component - no mixing required
- Alkoxyethyl formulation is low odor
- Low odor makes it suitable for use in dip baths for large parts
- Solvent-free formulation helps minimize workplace hazard
- Adds strength and improves printed part durability
- Moisture cure mechanism - no need for mixing
- No curing equipment required
- Fills porosities
- Easy to apply either as "on the spot" coating or in a dip bath
- Suitable for use on simple or complex, large or small parts
- Clear, colorless appearance
- Tack-free finish



Product	3D30	3D10	3D90
Speed	Ultra Fast Cure	Fast Cure	Delayed Set
Surface	High Gloss Surface	Shiny	Matte Surface
Features	Crystal Clear High Gloss Brilliant Color Vibrancy	Good Penetration Brilliant Color Shiny	Maximum Penetration Maximum Strength Ideal for Light Colors
Viscosity	Medium Low 90-110 cPs	Low 10-20 cPs	Ultra Low 4 cPs

Control - No Infiltrant	3D30	3D10	3D90
Tensile Strength			
400 psi <i>Granules & Binder with no infiltrant very fragile</i>	1400 psi <i>3D30 - Strong, brilliant color, glossy surface</i>	1900 psi <i>3D10 - Strong, brilliant color, shiny surface</i>	2200 psi <i>3D90 - Very strong, matte surface. Ideal for light colors.</i>

Chemical Concepts™
Our expertise is your solution.

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