

Permabond®

3D Print Infiltrant

ISO 9001:2008 Certified
 "Our Science ... Your Success"

Introducing Permabond's range of 3D print infiltrants for strengthening and sealing 3D printed models produced via granular 3D printing methods.

Permabond® 3D Infiltrant Features & Benefits

- Single component - no mixing required
- Alkoxyethyl formulation is low odour and minimises powdery white residue on surfaces
- Low odour makes it suitable for use in dip baths for large parts
- Solvent-free formulation helps minimise workplace hazard
- Adds extra strength and significantly improves printed part performance and durability
- Fills voids and porosities
- Moisture cure mechanism - no need for measuring and mixing, UV lamp or oven to cure adhesive
- 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, colourless appearance and tack-free finish
- Can be painted, sanded or bonded after curing

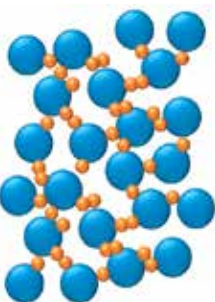


Products

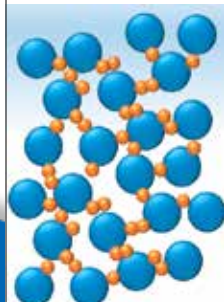
	Permabond 3D30	Permabond 3D10	Permabond 3D90
Appearance	Clear, colourless	Clear, colourless	Clear, colourless
Viscosity @ 25°C	90-110 mPa.s	10-20 mPa.s	4 mPa.s
Tensile Strength*	10 N/mm ²	13 N/mm ²	15 N/mm ²
Features	Ultra-fast cure Brilliant colour vibrancy High gloss finish	Fast curing Good penetration Enhances print colour intensity Shiny finish	Slower setting Ultra-low viscosity for greater depth of penetration Best suited for light-coloured parts
Packaging	500g	500g	500g
	2kg	2kg	2kg
	Bulk 20kg	Bulk 20kg	Bulk 20kg
Storage	2-7°C	2-7°C	2-7°C

*Tensile strength of granules and binder with no infiltrant is 2.7 N/mm²
 For full technical information, please refer to product data sheet

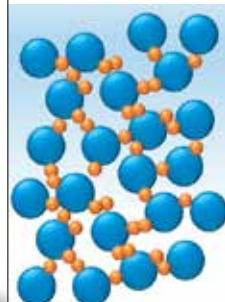
Granules & Binder
 Very fragile and hard to handle



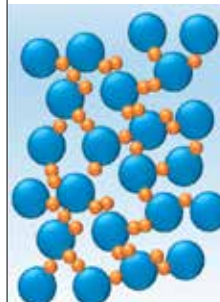
3D30 - strengthens matrix and gives high gloss finish and brilliant colour vibrancy



3D10 - good cure depth for strengthening. Print colours intensify for a brilliant finish.



3D90 - good depth of penetration for maximum strengthening of parts



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 klebetechnik

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