



Suggested Bonding Process of Trusana™ Teeth to 3D Printed Denture Base

Purpose

Review the suggested process for adhering a 3D printed denture base to Trusana 3D printed teeth using Lucitone® Digital Fuse Step 2: 3D Denture Bonding Resin.

Equipment

- Lucitone Digital Fuse Step 2: 3D Denture Bonding Resin
- Cure box — Recommendation is to use the Asiga Flash cure box

Prior to Bonding

Teeth and denture base should both be printed and post-processed according to their respective IFUs before starting the bonding process steps.

Process Steps

- 1 Prep your denture base and teeth by ensuring there are no imperfections or debris on the models that might prevent the teeth and denture base from fitting together. Hold the pieces together to ensure they fit properly before applying any adhesive.
- 2 Apply the Lucitone Digital Fuse Step 2: 3D Denture Bonding Resin to the denture base, ensuring it stays in the tooth pockets and completely fills them. If your teeth are printed in sections, apply adhesive to only one section at a time. Be careful not to place resin in adjacent pockets.
- 3 Insert teeth into the tooth pockets and gently apply pressure. Hold in place while removing excess resin material using gauze.
- 4 Place the adhered models in a cure box and cure the adhesive for 20 seconds. Next, flip the adhered models to expose a different side and cure for another 20 seconds.

Notes

- If the denture base tooth pockets are not completely filled with enough adhesive, the bond strength may be compromised.
- Testing to ensure the teeth and base fit together properly is critical before applying adhesive.