

Silver Inlay – Amalgam

Notes by David J. Marks

- Silver Inlay Dental Amalgam is a combination of silver, mercury, zinc, tin, and copper.
- Mix: 15 seconds – use amalgamator machine or tape to Jigsaw blade
- Cut recess – thin kerf parting tool 40/1000 wide (strong 1/32") or narrow 1/16" kerf
- Cut square bottom channel for good mechanical bond. A V cut might release the metal.
- Mask the edges –automotive tape is best.
- Can use a small flat head screwdriver to pack in the silver. Dental tools online - nice to have the dental packing tool –fill cartridge and eject to specific site.
- Might need to do a 2nd fill for voids – light scuff sand 120, remove dust – pack in amalgam.
- Let harden overnight for best results. Scrape either using a negative rake scraper or shear scrape. Hone scraper first to remove the burr and make it less aggressive. Sand to 1000 grit.
- Option: you can sand it with Micro Mesh to polish it to a higher sheen.