

Title of Procedure: CO₂ End-piece Epoxying

GOAL:

Epoxy in the CO₂ end-pieces into a pallet of straws (following resistance measurements).

Equipment:

Mixing tray

Cotton swabs

Rubber gloves

DP190 epoxy cartridge and gun

CO₂ end-piece (x48)

1" viton segments (x48)

Risks/Dangers:

All risk is associated with the 3M DP190 epoxy:

Inhalation: Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact: Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye Contact: Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If Swallowed: Rinse mouth. If you feel unwell, get medical attention

Steps of Procedure:

- 1. Insert the barbed end of CO₂ end-piece into a segment of viton. (>5 min.)**
- 2. Squeeze a small amount of epoxy into the mixing dish, making sure to clear the nozzles of cured epoxy and even amounts of part**

A and B are dispensed. An amount comparable to the size of a quarter is sufficient. Mix for a minute. (> 2 min.)

- 3. Use an applicator for epoxy; the bare end of the cotton swabs works well. Apply a small amount of epoxy to the applicator (dabbing the end into the mixture is sufficient; this amounts to about a grain of rice sized portion of epoxy) and coat the outer part of the CO₂ end-piece plastic evenly, making sure to avoid getting any inside the end-piece.**
- 4. Starting from the top of the pallet, insert the end-piece into the straw with a twisting motion. Set it in all the way, and pull out to ensure everything is evenly coated before setting it permanently. (It's helpful to put a finger on top of the straw in the pallet to keep it from sliding, but do so on a supported part of the straw to avoid damaging the straw.) (10 min. per side)**
- 5. Clean off excess epoxy using the swabs.**
- 6. Dispose of dirtied items appropriately. If there is epoxy on a surface, remove using isopropanol and a paper towel.**