

HOW TO USE PUMPS

Plunger pumps aid in the proper metering and dispensing of both Part A (epoxy) and Part B (hardener) of our resin systems. Pumps will dispense approximately 30ml of material per complete stroke. They are specifically designed for use with our 2: 1 by volume mix ratio systems (Super Sap 1000/1000, CLR/CLF, CLR/CLS, CCR/CCF, CCR/CCS, and CPM Systems CPM/CPF and CPM/CPL). They can be used in one of two ways.

- 1) By attaching the restrictor to the pump for Part B or hardener side of the resin system (see "X1 (ONLY FOR PART B)" remark on the scope of delivery). The restrictor is a white plastic tube that has a slot on one side so it can be attached to the neck of the dispensing pump. The restrictor limits the amount the pump that can be dispensed by 1/2. In this configuration one complete stroke of epoxy would correspond to one restricted stroke of hardener (total system: 45ml = 30ml Part A + 15ml Part B).
- 2) If you choose not to install the restrictor, then two complete strokes of epoxy would correspond to one complete stroke of hardener (total system: 90ml = 60ml Part A + 30ml Part B).

INSTALLING

Follow graphic instructions on how to open the pump (STEP 1) to fit the green holed cap supplied. Then cut with a knife or cutter (STEP 2) at 45° the inlet tube at a length that the inlet tube touches the bottom of the container. Then assemble again the pump as per STEP 3.

Place the assembled dosing pump on the container (STEPS 4 & 5). Be sure the inlet tube touches near or at the bottom of the container so that the pump can be used for the entire contents of the container.

PRIMING THE PUMP

Prime the pump a few times to make certain that all air is expelled. For hardeners it will take approximately 1-2 strokes to prime the pump, for epoxies it may take 2-3. If this priming is difficult then warm the material in the jug. The pumps work best when epoxy side is at or near typical room temps (23C).

TIPS FOR USE

It is recommended that you calibrate the pumps to ensure proper metering. This can be done by either measuring the weight or volume of a single stroke. Priming and calibration should be repeated if the pump is not used for an extended period or you have curing issues with the resin. When pumping multiple strokes for large batches; alternate pumping strokes of epoxy and strokes of hardener. This allows time for the pump to properly prime after each stroke. DO NOT pull up on the plunger when it is returning to its original position as this may trap air within the pump. Pumps have the possibility to be locked by pressing down and turning it. Please be aware that this lock is not hermetical thus not recommended for long time preservation of the resin and hardener.

