

Sticky-Stuff Dispenser

17F
610

OPERATING INSTRUCTIONS

If you have shipping damage, file a claim with the responsible carrier promptly.

THE FOLLOWING INFORMATION WILL HELP YOU UNDERSTAND AND OPERATE YOUR DISPENSER.

PRIMING. The idea in priming is to get the air out of the system and the resin in. Fill the hardener reservoir first since it may be the more difficult to prime. Hold the hardener shipping can under the spout to prevent waste and mess. Operate the handle. 10 or 20 times should produce hardener at the outlet. If not, use a dowel to hold down the intake valve head inside the reservoir while the operating handle is slowly depressed a few times. This will allow the escape of trapped air and the pump will begin to work. After the hardener side is working, fill the resin side. Two or three strokes will usually prime the resin side.

RATIO CHECK. It is a good idea to verify that the dispenser is delivering its intended ratio. The resin and hardener can be compared by volume or weight. Find out from your resin supplier exactly what the limits are for his resin, in volume or weight. Generally, if the ratio delivered by the dispenser varies from the resin spec. by more than 10%, the mixture may not harden properly. Ratios are not checked at the factory but should be checked by the user for the following reasons.

1. Testing of initial production runs detected no pumps with faulty ratios.
2. Wetting the pumps with resin makes shipping messy.
3. The resins may dry out or react in the high temperatures occasionally encountered in shipping and storage.
4. There may be shipping damage.
5. The user should verify that his operating speed is within the operating range of the pump.
6. Testing adds several dollars to the cost.

RESIN CHECK. A good practical test of resin curing is to press a knife point against hardened material left in the mixing cup. Hardness equals strength. If the ratio, mixing, and curing are proper, the material will be hard. If the material shows any sign of softness, the reason should be found or joints and coatings won't have full strength.

SPEED OF OPERATION. The dispenser is designed to be operated at any comfortable or reasonable speed, either full or part stroke. (Model D, 1 to 1 ratio dispensers are full stroke only). There is, however, a maximum speed above which the resin will not follow the pistons on the intake stroke. When this happens metering can be inaccurate. Except for low temperatures, when the resin is thickened, the critical operating speed will probably not be exceeded. During your ratio check you should operate the dispenser as you intend to, or at the highest speed you are likely to use. If the metering is inaccurate, either slow down or allow a 1/10 to 1/2 second dwell at the bottom of the stroke to allow the resin to catch up to the piston.

OPERATION. Maintain a minimum of one inch of material above the valve in the reservoir to prevent air from being drawn into the system. Don't leave your dispenser in the sun, it will start a resin cure or thickening. Oil the pivot and connecting links and pistons, but do not oil the pistons in the seal area. The pistons are resin lubricated and should pass a few drops per hundred strokes. Use only resin, hardener, or silicone grease for lubrication. Do not use petroleum based materials, they will damage the seals.