

Spray-up Lamination



There are two steps in the open molding process – gelcoating and laminating.

During the laminating process, a reinforcing material (such as fiberglass, saturated with catalyzed polyester resin) is applied directly onto the cured gelcoat on the mold, which forms a very structurally strong product. Gelcoat alone does not have the structural strength to be removed from the mold or to be used as a final product.

There are two types of open mold laminating: hand lay-up & spray-up laminating.

Spray-up laminating utilizes a fiberglass cutter mounted on a spray gun. This set-up pulls fiberglass strands called roving from a spool and cuts it with a gun-mounted chopper and then throws the cut pieces of fiberglass into the catalyzed resin stream. The resin and glass mixture are sprayed directly onto the gelcoat surface in the mold.