



## Covered Roll Casting Mold

Custom engineered molds allow the customer to cast an elastomeric compound onto the outer surface of an existing steel roll core.

The roll was properly positioned into the mold, then the compound was poured between the inside surface of the mold and the outer surface of the steel roll, and heat cured while still in the mold.

The mold featured a double-shelled cooling design with internal flow control spirals that allowed the customer to supply heated water into the flow passages. This allowed the customer to fully cure the roll covering inside the mold and avoid the need for additional curing ovens.

The inside bore of the mold was finely polished and electroless nickel plated allowing for the covered roll to be removed from the mold without needing any additional grinding or polishing to obtain the required surface finish. At this stage, the roll is ready for installation by the customer.