product manual

H-2952

H-2952_MAN_0613

Vertical Cylinder Capper

Vertical Cylinder Capper— H-2952

For capping 6" dia. x 12" high (152 x 305mm) concrete test cylinders when making compression tests. Simplifies capping process by assuring plane end surfaces are right angles to the axis of the cylinder. The upright is a guide for positioning the cylinder. Molten capping compound is poured into the mold (plate); then cylinder is placed on the capping material. After the compound is set, the capped cylinder is removed for testing. All types of capping compounds can be used with this apparatus. Capping plate is machined and finish-ground from cold-rolled steel to within .002" (.05mm) planeness. Thickness of the capping plate is 3/4" (19mm), to allow regrinding and refinishing after considerable usage should the plate become gouged. Capping plates are round, allowing circular rotation during use that results in uniform wearing down of contacting surfaces for maximum length of service. The frame is machined from high-strength aluminum alloy.

Complies ASTM C31, C39, C192, C617; AASHTO T22, T23, T126, T231.

Shipping wt. 27 lbs. (12.3kg)

Capping Instructions:

1. Melt HUMBOLDT H-2959 Capping Compound in a melting pot up to about 210°F. Pouring temperature of H-2959 is between 265° and 290°F. Use of HUMBOLDT H-2953 Compound Melting Pot is recommended.

CAUTION:- DO NOT OVERHEAT or excessive fumes and odor will result.

2. Oil or grease the capping plate lightly to facilitate removal of specimen from plate, and place the plate directly under the vertical uprights of Cylinder Capper.
3. Brush and dislodge any loose or adhering particles from the end of concrete cylinder which is to be capped. This insures a good bond between cap and specimen and eliminates formation of "pockets" in the cap.
4. Pour a sufficient amount of Capping Compound to cover the depressed circular portion of the Capping plate. One ladle of compound will suffice.
5. Without touching the capping plate, fit the concrete cylinder against the Capper upright and lower until bottom end of specimen is firmly seated on the capping plate. This must be done with least loss of time, since the capping compound has a very fast rate of set.
6. Allow the capping compound to set.
7. Remove specimen after the compound has set and trim off any excess material from the specimen.
8. Cap the opposite end of the specimen using the same method.
9. Excess capping material from the plate and specimen can be re-used.

NOTE:- Following a compression test on the concrete specimen, the cap from the tested specimen can be re-used. The cap can be removed by tapping gently with a Hammer. Care should be taken to ensure that no foreign material adheres to the reclaimed cap.

Humboldt Mfg. Co.
875 Tollgate Road
Elgin, Illinois 60123 U.S.A.

U.S.A. Toll Free: 1.800.544.7220
Voice: 1.708.456.6300
Fax: 1.708.456.0137
Email: hmc@humboldtmfg.com

Testing Equipment for Construction Materials

HUMBOLDT

www.humboldtmfg.com