

# No. 600 FLAKE CAPPING COMPOUND

## DESCRIPTION

**SAUEREISEN** No. 600 *flake style* Basolit Sulfur Capping Compound has been used for many years by concrete testing laboratories for testing concrete cylinders for compressive strength.

## OUTSTANDING CHARACTERISTICS

No. 600 is supplied in *flake* form and provides exceptionally easy and convenient handling and melting compared to blocks or briquets. No. 600 is consistent from one bag to the next which ensures high strength from cap to cap.

No. 600 is carefully plasticized to provide even load distribution during compression testing with no deformation. It sets rapidly to exhibit a minimum compressive strength of 3000 psi after cooling two hours, in accordance with requirements of ASTM C-617, Standard Method of Capping Cylindrical Concrete Specimens.

No. 600 has a wide pouring range; if accidentally overheated, it remains useable when cooled to the proper temperature (excess poured and solidified material can be remelted without loss of properties).

No. 600 maintains its full compressive strength and bond to concrete even when capped specimens are stored at 100% relative humidity prior to testing and does not degrade during storage or use.

## APPLICATION

**Temperature of Capping Plate:** Maintain an optimum temperature of 85° F to 90° F on capping plate to prevent thermal shock and potential cracking when molten material is poured into capping plate.

**Capping Plate Preparation:** Capping plates should be lightly coated with mineral oil prior to No. 600 application.

**Melting:** Use a suitable melting pot for sulfur-based compounds equipped with automatic temperature controls. Empty quantity of No. 600 into the melting pot and regulate the temperature between 265° F and 290° F. Melt material in this temperature range to a smooth, free-flowing liquid. If heated above 300° F, the material thickens. To reduce viscosity and odor, and lower the temperature to optimum range, remove heating element and add additional No. 600 material. Overheated material is still usable after temperature has decreased to 290° F, provided temperature has not exceeded 320° F.

**Installation:** Pour the melted No. 600 into the capping plate with a ladle. Place the concrete cylinder immediately into the material and allow to remain until the compound solidifies (approximately 1 minute). After the compound has solidified, remove the cylinder from the mold. Allow a minimum of 2 hours after hardening before crushing capped specimens. Unused material left in the melting kettle



## SPECIFICATIONS

Material: sulfur-based compound; silica-filled

Optimum Pouring Range: 265° F to 290° F

Melting Range: 230° F to 240° F

Compressive Strength:

9000 psi (ASTM C-579)

8000 psi (ASTM C-617)

Packaging: 50 lb. moisture-resistant bags  
(or pails for small shipments)

Set Time: approx. 1 min.