

# COOSA

## Masonry Cement

# PRODUCT DATA SHEET

### Product Name

Coosa Masonry Cement, ASTM Type N and Type S

### Manufacturer

**National Cement Company of Alabama, Inc.**

Corporate office:

2000 Southbridge Parkway, Suite 600  
Birmingham, AL 35209  
205-423-2600

Manufacturing plant location:

80 National Cement Drive  
Ragland, AL 35131

### Product Description

#### Coosa Masonry Cements

are manufactured using the highest-grade clinker and a high calcium carbonate limestone. These materials are interground with plasticizing additives to produce a quality masonry cement that complies with all masonry specification requirements. When mixed with water and masonry sand, the resulting mortar yields quality workability, durability, board life, and strength characteristics.

### Basic Use

#### Coosa Masonry Cements

are specifically designed for producing mortar for laying clay brick and concrete masonry units.

#### COLORS

Coosa Masonry Cements are available in gray as well as a wide array of standard and custom colors. Additionally, our custom color matching service is available for selected projects.

#### BAG SIZE

Type N masonry cements are available in 32kg (aprox. 70 pounds) net weight bags.

Type S masonry cements are available in 34kg (aprox. 75 pounds) net weight bags.

### Technical Data

#### Applicable Specifications

##### ASTM International

ASTM C91, Standard Specification for Masonry Cement  
Masonry cement is used to produce mortar per ASTM

C 270, Standard Specification for Mortar for Unit Masonry.

#### Coosa Custom Colored

**Masonry Cements** meet the requirements of ASTM C- 979, Standard Specification for Pigments for Integrally Colored Concrete, as specified in ASTM C-270, Mortar for Unit Masonry.

**Coosa Masonry Cement**, when properly proportioned and mixed with sand meeting the requirements of ASTM C-144, Standard Specification for Aggregate for Masonry Mortar, will produce mortar meeting and exceeding the requirements of ASTM C-270, Standard Specification for Mortar for Unit Masonry.

### Proportioning and Mixing

In a mechanical mixer, use one bag of **Coosa Masonry Cement** with 2 1/4 to 3 cubic feet of damp, loose masonry sand meeting the requirements of ASTM C144. The use of a 1 cubic foot box to measure the sand is recommended to improve batch-to-batch uniformity. Use clean, drinkable water. In the following order, with the mixer running: add approximately 2/3 the water required, 1/2 the sand, one bag of **Coosa Masonry Cement**, then, add the rest of the required sand and sufficient water to bring the batch to the desired consistency. The mortar should be mixed from 3 to 5 minutes after all of the materials have been charged into the mixer.

### Mortar Joint Appearance

The texture and color of a finished mortar joint are determined by properties of component materials, preparation of the mortar, workmanship, curing conditions, cleaning procedures, and environmental factors. The effect of tooling on the appearance of a mortar joint is dependent on the type of jointer used and the stiffness of the mortar at the time it is tooled. Timing (of tooling) is important to achieve a uniform appearance in the finished mortar joint. The mortar should be allowed to stiffen until it is hard enough that a thumbprint



just barely shows ("thumbprint-ready technique").

### Job-Site Panel and Precautions

Because the final color and appearance of the mortar joint depends on several factors such as sand, workmanship, cleaning practices, and curing conditions, the construction of a job-site panel is recommended for color and appearance acceptability and verification. Variations in mix water quantity, mixing time, curing conditions, and finishing may cause color variations

### Curing

Precautions during hot and cold weather construction must be taken. Every effort to prevent dryout or dehydration, or freezing of mortar must be taken. All masonry work should be cured in accordance the American Concrete Institute (ACI) document 530, Specification for Masonry Structures.

### Warranty

National Cement Company of Alabama, Inc, warrants that **Coosa Masonry Cements** meet the requirements of ASTM C 91, Standard Specification for Masonry Cement. National Cement Company of Alabama, Inc., having no control over the use of this cement, will not guarantee finished work in which it is used.