

- a. Do not use stone with rounded, worn, or weathered surfaces. Exposed faces cannot show scars caused by quarrying. Weathered stone will be rejected.
- b. Ensure that the stone has no more than 65 percent wear and no more than 15 percent loss after the magnesium sulfate soundness test.
- c. Use stone that can be wrought truly to lines and surfaces (curved or plain).
- d. Ensure that each stone is at least 6 in (150 mm) thick and 1 ft (300 mm) wide, except for fill stones used in wall interiors.

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

Test as follows:

Test	Method
Percent Wear	AASHTO T 96
Soundness	AASHTO T 104

D. Materials Warranty

General Provisions 101 through 150.

834.2.03 Mortar and Grout

A. Requirements

1. Use mortar and grout that consists of fresh mixtures of one part Portland or masonry cement and three parts mortar sand and water.
You may add hydrated lime when using Portland cement in amounts not exceeding 10 percent of the weight of cement.
 - a. Cement: Use Portland cement that meets the requirements of Subsection 830.2.01 or masonry cement that meets the requirements of ASTM C 91.
 - b. Mortar Sand: Use mortar sand that meets the requirements of Subsection 801.2.02.
 - c. Mixing: Mix dry in a mixer or in a clean, tight box, until a uniform mixture is produced. Then add enough water to produce the desired consistency.
Do not use mortar and grout that has been mixed for more than 45 minutes.
Retempering of mortar is not permitted.

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

General Provisions 101 through 150.

D. Materials Warranty

General Provisions 101 through 150.

Section 835—Aluminum Powder

835.1 General Description

This section includes the requirements for aluminum powder.

835.1.01 Related References**A. Standard Specifications**

General Provisions 101 through 150.

B. Referenced Documents

ASTM D 480

835.2 Materials**835.2.01 Aluminum Powder****A. Requirements**

1. Type

Use an aluminum powder for expanded mortar that is commercially pure, nonleafing, unpolished, and has a low grease content.

2. Gradation

Ensure the gradation of the coarse particles meets the following:

- Not more than 0.2 percent retained on the No. 100 (150 μm) sieve
- Not more than 10 percent retained on the No. 325 (150 μm) sieve

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

Test as follows:

Test	Method
Fineness	ASTM D 480

D. Materials Warranty

General Provisions 101 through 150.

Section 836—Special Surface Coating for Concrete

836.1 General Description

This section includes the requirements for products used to produce a decorative, protective, water-repellent, masonry-like textured finish on specified surfaces.

836.1.01 Related References**A. Standard Specifications**

General Provisions 101 through 150.

B. Referenced Documents

Interim Federal Specification TT-P-0035

Federal Specification TT-C-555B

GDT 71

QPL 17