

1717 – PRECAST PANEL BEDDING MATERIALS

SECTION 1717

PRECAST PANEL BEDDING MATERIALS

1717.1 DESCRIPTION

This specification covers material for bedding prestressed concrete panels used as a slab in bridge construction.

1717.2 REQUIREMENTS

a. Provide bedding material for precast units that complies with **TABLE 1717-1** for expanded or extruded polystyrene.

Property	Test Method
Compressive Strength, 60 psi, min.	ASTM D 1621
Water Absorption, 2% by vol. max.	ASTM D 2842
Oxygen Index, 24 min.	ASTM D 2863

b. Use a type of glue recommended by the bedding material manufacturer to secure the bedding material to the girder.

1717.3 TEST METHODS

ASTM tests as specified above.

1717.4 PREQUALIFICATION

Manufacturers desiring to provide material under this specification are to submit a 2 x 2 ft prequalification sample of each product which they wish to prequalify.

Provide complete instructions on the use of the material and a Material Safety Data Sheet (MSDS). State the type of glue which is acceptable for use with the material.

Provide a test report from an independent laboratory for the properties cited above.

Forward the prequalification samples and information to the Engineer of Tests. The Material will be tested as necessary to verify the information on the independent laboratory test report. Manufacturers will be notified of the test results.

If the prequalification samples comply with **subsection 1716.2**, the name of the product, along with the allowable type of glue to be used, will be placed on a list of prequalified products maintained by the Bureau of Materials and Research. No precast bedding material may be used on KDOT projects unless it has been prequalified.

1717.5 BASIS OF ACCEPTANCE

Prequalification as specified in **subsection 1717.4**.

Receipt of a Type C certification as specified in **DIVISION 2600**.

Observation of performance in the field.