

1725 - ADA-COMPLIANT RAMP PANELS

SECTION 1725

ADA-COMPLIANT RAMP PANELS

1725.1 DESCRIPTION

This specification governs Americans with Disabilities Act (ADA) compliant ramp panels. The panels are required to comply with all dimensional requires as stipulated within the ADA guidelines.

1725.2 REQUIREMENTS

a. General.

- (1) Any manufacturer producing ADA-compliant ramp panels under this specification must be currently prequalified. Procedures for prequalification are outlined in **subsection 1725.4**.
- (2) Unless shown otherwise in the Contract Documents, manufacture all ADA-compliant ramp panels provided under this specification to comply with the applicable subsections.
- (3) Dimensions. Provide a 2 X 2 foot panels that comply with the dimensions and details specified by the ADA guidelines. Larger panels may be used if approved by the Engineer.
- (4) Provide in the appropriate color stipulated in the Contract Documents. Warrant the color for 10 years.

b. Prestressed Concrete Panels.

- (1) Provide a non-rusting prestressed support system integrated into the lower portion of the panel. The system is required to impart pressure in excess of 200 psi in both horizontal directions on a fully cured panel.
- (2) Material Specifications. Provide ADA-compliant ramp panels that comply with **TABLE 1725-1**.

Table 1725-1: REQUIREMENTS FOR PRESTRESSED CONCRETE PANELS		
Property	Test Method	Requirement
UV Protection	ASTM G 155	No visible change to the panel.
Compressive Strength	ASTM C 39	≥ 8,000 psi
Slip Resistant	ASTM D 2047	≥ 0.80

c. Polymer Concrete Panels.

- (1) Provide a polymer concrete panel. For this specification, polymer concrete is defined as having a cementitious material blended with an epoxy material to create a high-strength, tough and durable panel. Fibers may be used.
- (2) Material Specifications. Provide a polymer concrete panel that complies with **TABLE 1725-2**.

Table 1725-2: REQUIREMENTS FOR POLYMER CONCRETE PANELS		
Property	Test Method	Requirement
UV Protection	ASTM G 155 or ASTM C 1501	No visible change to the panel.
Compressive Strength	ASTM C 39 or ASTM C 170	≥ 8,000 psi
Slip Resistant	ASTM D 2047 or ASTM C 1028	≥ 0.80

1725.3 TEST METHODS

Perform all test methods as specified in **subsection 1725.2** for the given product.

1725.4 PREQUALIFICATION

To become prequalified, send a panel to the Engineer of Tests along with test results from a certified laboratory (CCRL, A2LA or NVLP). Panels must be able to comply with **subsection 1725.2**.

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The Bureau of Materials and Research will maintain a prequalified list of all complying manufacturers.

1725.5 BASIS OF ACCEPTANCE

The manufacturer must be currently prequalified as specified in **subsection 1725.4**.

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

Visual inspection for cracked or damaged panels.