



Designation: E 1794 – 003

An American National Standard

Standard Specification for Adhesive for Bonding Foam Cored Sandwich Panels (200°F Elevated Humidity Service), Type II Panels¹

This standard is issued under the fixed designation E 1794; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers two-part adhesives for bonding foam core sandwich panels. The adhesive may be used for new production or depot maintenance. The adhesive should be suitable for forming bonds that can withstand long-term exposure to temperatures from – 55 to 93°C (–67 to 200°F) and also withstand combinations of stress, temperature, and humidity expected to be encountered in service. The adhesives shall be used for bonding aluminum alloy facing to foam core, inserts, edge attachments, and other components of a foam cored sandwich panel.

1.2 The values stated in SI units are to be regarded as the standard where only SI units are given or where SI units are given first followed by English units; where English units are given first followed by SI units, the English units are to be regarded as the standard.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

¹ This specification is under the jurisdiction of ASTM Committee E06 on Performance of Buildings and is the direct responsibility of Subcommittee E06.53 on Materials and Processes for Durable Rigidwall Relocatable Structures.

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