



Designation: ~~C869-91~~ (Reapproved 2006) Designation: C869/C869M – 11

Standard Specification for Foaming Agents Used in Making Preformed Foam for Cellular Concrete¹

This standard is issued under the fixed designation C869/C869M; 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 foaming agents specifically formulated for making preformed foam for use in the production of cellular concrete.

1.2 The function of this specification is to provide the means for evaluating the performance of a specific foaming agent. This is accomplished by using the foaming agent in making a standard cellular concrete test batch (see Test Method C796) from which test specimens are cast. Then, significant properties of the concrete are determined by tests and compared with the requirements of Section 3.

~~1.3 The values stated in inch-pound units are to be regarded as the standard.~~

1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

2. Referenced Documents

2.1 *ASTM Standards*:²

C796 [Test Method for Foaming Agents for Use in Producing Cellular Concrete Using Preformed Foam](#)

3. Performance Requirements

3.1 The test batch shall conform to the requirements prescribed in Table 1.

4. Test Methods

4.1 The foaming agent being tested shall be used in making the test specimens required.

4.2 For each of the properties listed in Table 1, the test procedure, the number and type of test specimens, and the method of molding, curing, and testing shall be as described in [Test Method C796.1-11](#).

5. Keywords

5.1 cellular concrete; foaming agents

¹ This specification is under the jurisdiction of ASTM Committee C09 on Concrete and Concrete Aggregates; and is the direct responsibility of Subcommittee C09.23 on Chemical Admixtures.

Current edition approved July 1, 2006; 2011. Published August 2006; 2011. Originally approved in 1977. Last previous edition approved in 1999; 2006 as ~~C869-91~~ (1999); C869-91 (2006). DOI: ~~10.1520/C0869-91R06~~ 10.1520/C0869_C0869M-11.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

*A Summary of Changes section appears at the end of this standard.