



**Summary of Substantive Changes
between the 2009^{e1} and 2014 editions of
ASTM F1488 “Coextruded Composite Pipe”**

Presented to the IAPMO Standards Review Committee on March 9, 2015

General: The changes to this standard might have an impact on currently listed products. The substantive change is:

- Added performance requirements for the closed-cell cellular plastic layer of composite pipe (see Section 7.4).

Section 3.1 Definitions: Removed the definition of thermally foamed plastic as follows:

~~*3.1.6 Thermally foamed plastic—a cellular plastic produced by applying heat to effect gaseous decomposition or volatilization of a constituent. (1985)*~~

Section 6.1, Basic Materials: Replaced the term “thermally formed” with “closed-cell” throughout the standard as follows:

~~*1.1.16.1.1*~~ *Materials listed in the material section are to be used in any layer of the coextruded composite pipe. When coextruded composite pipe is produced with three layers, the middle layer is permitted to be solid or ~~thermally foamed~~ closed-cell cellular plastic*

Section 7, Performance Requirements: Added performance requirements for the closed-cell cellular plastic layer of composite pipe as follows:

7.4 Cellular Structure—The closed-cell cellular plastic layer of composite pipe shall not allow the passage of water when tested at 10 ± 1 psig for a minimum of 30 min. The test sample shall be 18 ± 0.125 in. long. Create a seal on the O.D. and the I.D. of the pipe near one end in a manner that permits the exposed core to be subjected to water pressure (Note 3). Any sign of water emanating from the core at the opposite end after 30 min. is indication of an open cell structure and the sample does not meet the requirements of this specification. This test is not required for pipe produced with a solid middle layer.

NOTE 3—The method of sealing against the I.D. and O.D. of the pipe is not specified, as several acceptable methods are available. One such method uses an elastomeric no-hub adapter clamped to the O.D. and pneumatic or mechanical test plug to seal the I.D.