



Designation: ~~D6711~~—15 D6711 – 15<sup>ε1</sup>

## Standard Practice for Specifying Rock to Fill Gabions, Revet Mattresses, and Gabion Mattresses<sup>1</sup>

This standard is issued under the fixed designation D6711; 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 reappraisal. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reappraisal.

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<sup>ε1</sup> NOTE—Editorially corrected units of measurement statement in June 2021.

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### 1. Scope

1.1 This practice covers the sizes and quality of rock to fill gabions and mattresses. The term mattress as used in this standard shall include the terminology of gabion mattresses and revet mattresses used in Specifications [A974](#) and [A975](#).

1.2 This practice does not cover the sizes and quality of rock for other erosion control uses such as riprap or drainage.

1.3 This practice does not cover the material properties or construction of gabions or mattresses.

1.4 ~~Units—The values in this practice are in English units and stated in inch-pound units are to be regarded as the standard. SI units are given in parentheses and are mathematical conversions to SI units that are provided for information only and are not considered standard.~~

1.5 *This practice offers a set of instructions for performing one or more specific operations. This document cannot replace professional judgment. Not all aspects of this practice may be applicable in all circumstances. This ASTM standard is not intended to represent or replace the standard of care by which the adequacy of a given professional service must be judged, nor should this document be applied without consideration of a project's many unique aspects. The word "Standard" in the title of this document means only that the document has been approved through the ASTM consensus process.*

1.6 *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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.7 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

### 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

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<sup>1</sup> This practice is under the jurisdiction of ASTM Committee [D18](#) on Soil and Rock and is the direct responsibility of Subcommittee [D18.25](#) on Erosion and Sediment Control Technology.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.