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# **Standard Specification for Portland Cement**

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**AASHTO Designation: M 85-16**

**Release: Group 1 (April 2016)**

**ASTM Designation: C150/C150M-16**



**American Association of State Highway and Transportation Officials  
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## 1. SCOPE

- 1.1. This specification covers ten types of portland cement as follows (see Note 1):
- 1.1.1. *Type I*—For use when the special properties specified for any other type are not required;
- 1.1.2. *Type IA*—Air-entraining cement for the same uses as Type I, where air entrainment is desired;
- 1.1.3. *Type II*—For general use, more especially when moderate sulfate resistance is desired;
- 1.1.4. *Type IIA*—Air-entraining cement for the same uses as Type II, where air entrainment is desired;
- 1.1.5. *Type II(MH)*—For general use, more especially when moderate heat of hydration and moderate sulfate resistance are desired.
- 1.1.6. *Type II(MH)A*—Air-entraining cement for the same uses as Type II(MH), where air entrainment is desired.
- 1.1.7. *Type III*—For use when high early strength is desired;
- 1.1.8. *Type IIIA*—Air-entraining cement for the same use as Type III, where air entrainment is desired;
- 1.1.9. *Type IV*—For use when low heat of hydration is desired; and
- 1.1.10. *Type V*—For use when high sulfate resistance is desired.
- Note 1**—Some cements are designated with a combined type classification, such as Type I/II, indicating that the cement meets the requirements of the indicated types and is being offered as suitable for use when either type is desired.
- 1.2. When both SI and inch-pound units are present, the SI units are the standard. The inch-pound units are approximations listed for information only.
- 1.3. The text of this standard references notes and footnotes that provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the standard.

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## 2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
- M 327, Processing Additions for Use in the Manufacture of Hydraulic Cements