IN-LB	Inch-Pound Units
SI	International System of Units

An ACI Standard

Circular Precast Polymer-Concrete Manholes—Specification

Reported by ACI Committee 548

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This Specification provides requirements for circular precast polymer-concrete manholes for use in sanitary and storm sewer systems. It includes ordering information, minimum physical and chemical requirements for the polymer concrete mixture, criteria for designing the manhole components, manufacturing and quality control requirements, and documentation to certify the adequacy of the design.

Keywords: absorption; chemical resistance; compressive strength; dimensional tolerances; design loads; polymer concrete; precast manhole; structural design.

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1. Scope

1.1 This Specification covers requirements for construction of circular precast reinforced polymer-concrete manholes for use in sanitary sewers and storm sewers.

1.2 Included is ordering information to be provided by the purchaser to the manufacturer, acceptable materials, design criteria, manufacturing requirements, and documentation for certifying the adequacy of the manhole design.

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 are not necessarily exact equivalents; therefore, to ensure conformance with the standard, each system shall be used independently of the other, and values from the two systems shall not be combined.

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