

ASTM F2414 - 04(2009) Standard Practice for Sealing Sewer Manholes Using Chemical Grouting

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Significance and Use

This practice is used as a guide for the installation of chemical grout in the practice of sealing sewer manholes from leaks, cracks, and around penetrations. It is attended to assist sewer owners and engineer, owner’s representative, or authorized inspectors for installation method specification and for contractors to refer to during installations of chemical grout for manhole sealing.

1. Scope

1.1 This practice covers proposed selection of materials, installation techniques, and inspection required for sealing manholes using chemical grout. Manholes or sections of manholes with active leaks shall be repaired. Manholes to be grouted are of brick, block, cast-in-place concrete, precast concrete, or fiberglass construction. Manholes or sections of manholes with active leaks will be designated by the engineer, owner’s representative, or authorized inspector, for manhole grouting.

1.2 The contractor shall be responsible for furnishing all labor, supervision, materials, equipment, and inspection follow-up required for the completion of chemical grouting of manhole defects in accordance with the contract documents.

1.3 Materials, additives, mixture ratios, and procedures utilized for the grouting process shall be in accordance with manufacturer’s recommendations and shall be appropriate for the application.

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

1.5 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 and health practices and determine the applicability of regulatory limitations prior to use.

chemical grouting; manholes; sewers; Chemical grouts/grouting; Sewer manholes; ICS Number Code 93.030 (External sewerage systems)

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