

LIME STANDARDS & GUIDES

Standards of the American Society for Testing and Materials (ASTM) contain product specifications for certain applications, describe chemical and physical test methods, and address nomenclature. ASTM standards and guides related to lime include the following:

<p>Soil Stabilization:</p> <p>C977 Specification for Quicklime and Hydrated Lime for Soil Stabilization</p> <p>C593 Specification for Fly Ash & Other Pozzolans for use with Lime for Soil Stabilization</p> <p><i>Test Methods:</i></p> <p>D6276 Using pH to Estimate the Lime Requirement for Soil Stabilization</p> <p>D5102 Unconfined Compressive Strength of Compacted Soil-Lime Mixtures</p> <p>Asphalt:</p> <p>C1097 Specification for Hydrated Lime for Use in Asphalt</p> <p>D4867 Test Method for the Effect of Moisture on Asphalt Paving Mixtures</p> <p>Environmental Uses:</p> <p>C1529 Specification for Quicklime and Hydrated Lime for Environmental Uses</p> <p>D6249 Guide for Alkaline Stabilization of Wastewater Treatment Plant Residuals</p> <p><i>Test Methods:</i></p> <p>C400 Quicklime and Hydrated Lime for Neutralization of Waste Acid</p> <p>C1318 Determination of Total Neutralizing Capability and Dissolved Calcium and Magnesium Oxide in Lime for Flue Gas Desulfurization (FGD)</p>	<p>Building Lime:</p> <p>C207 Hydrated Lime for Masonry Purposes</p> <p>C206 Finishing Hydrated Lime</p> <p>C821 Lime for Use with Pozzolans</p> <p>C5 Quicklime for Structural Purposes</p> <p>C270 Mortar for Unit Masonry</p> <p>Other Applications:</p> <p>C911 Quicklime and Hydrated Lime for Selected Chemical and Industrial Uses</p> <p>D5050 Guide for Commercial Use of Lime Kiln Dusts</p> <p>E1266 Practice for Processing Mixtures of Lime, Fly Ash, and Heavy Metal Wastes in Structural Fills and Other Construction Applications</p> <p>C602 Specification for Agricultural Liming Materials</p> <p>General Testing:</p> <p>C25 Chemical Analysis of Quicklime and Hydrated Lime</p> <p>C110 Physical Testing of Quicklime and Hydrated Lime</p> <p>C1271 X-Ray Spectrometric Analysis of Lime</p> <p>C1301 Major & Trace Elements in Lime by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP) & Atomic Absorption (AA)</p> <p>Other:</p> <p>C51 Terminology Relating to Lime</p> <p>C50 Sampling, Sample Preparation, Packaging, & Marking of Lime Products</p>
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Copies of these and other lime-related standards may be purchased from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 (www.astm.org). Other relevant standards have been issued by the American Water Works Association (AWWA, www.awwa.org) and the American Association of State Highway and Transportation Officials (AASHTO, www.transportation.org).