

AWS A5.35/A5.35M: 2015
An American National Standard

Specification for Covered Electrodes for Underwater Wet Shielded Metal Arc Welding



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**Approved by the
American National Standards Institute
June 23, 2015**

Specification for Covered Electrodes for Underwater Wet Shielded Metal Arc Welding

1st Edition

Prepared by the
American Welding Society (AWS) A5 Committee on Filler Metals and Allied Materials

Under the Direction of the
AWS Technical Activities Committee

Approved by the
AWS Board of Directors

Abstract

This specification establishes the requirements for classification of covered electrodes for underwater wet shielded metal arc welding. The requirements include mechanical properties of weld metal, weld metal soundness, and usability of electrode. Requirements for composition of the weld metal, standard sizes and lengths, marking, manufacturing, and packaging are also included. A guide to the use of the standard is included in an Annex.

This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.



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Foreword

This Foreword is not a part of AWS A5.35/A5.35M:2015, *Specification for Covered Electrodes for Underwater Wet Shielded Metal Arc Welding*, but is included for information purposes only.

This specification was developed by the AWS D3B Subcommittee on Underwater Welding acting as a subcommittee of the AWS A5 Committee on Filler Metals and Allied Materials. This specification is the first edition for classification of electrodes developed for shielded metal arc welding underwater, in the wet, with no mechanical barrier between the water and the welding arc. The specification covers ferritic steel, austenitic stainless steel, and nonferrous filler material, including any auxiliary coatings applied over the electrode covering.

Comments and suggestions for the improvement of this standard are welcome. They should be sent to the Secretary, AWS A5 Committee on Filler Metals and Allied Materials, American Welding Society, 8669 NW 36th St, #130, Miami, FL 33166.

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