

AWS A5.13/A5.13M:2021
An American National Standard

Specification for Surfacing Electrodes for Shielded Metal Arc Welding



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An American National Standard

Approved by the
American National Standards Institute
January 7, 2021

Specification for Surfacing Electrodes for Shielded Metal Arc Welding

6th Edition

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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 prescribes the requirements for classification of surfacing electrodes for shielded metal arc welding. Classification is based upon the chemical composition of the deposited weld metal except for tungsten carbide electrodes, where classification is based on the mesh range, quantity, and composition of the tungsten carbide granules. A guide is appended to the specification as a source of information concerning the classification system employed and intended use of the classified electrodes.

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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