

Splash Zone Site-Applied Wrap Corrosion Protection Systems

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AMPP values your input. To provide feedback on this standard, please contact: standards@ampp.org

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Foreword

This standard is for use by those responsible for the management of marine structures. They will be able to use it to establish the minimum requirements of the Site-Applied Wrap Corrosion Protection Systems they are considering for the protection of the submerged zone and splash zone of shore based marine metallic structures, either at the point of new construction or during refurbishment or maintenance of existing structures. This standard is not intended to provide the minimum requirements for offshore oil and gas platforms and other similar structures of the offshore oil and gas industry. This standard may be used to provide the minimum requirements for estuarine, paludal, riverine, great lake structures or similar. The Site-Applied Wrap Corrosion Protection Systems in accordance with this standard are considered suitable for further protection by means of cathodic protection.

Scope

This standard practice establishes the requirements for the selection, application and performance of Site-Applied Wrap Corrosion Protection Systems for the protection of shore based marine structures in a variety of shapes and configurations as well as bracing and other support steelwork in the submerged zone and splash zone in temperate and tropical climates. Additional requirements may be necessary for special exposure environments such as ice, polluted water and similar.

Rationale

There were no standards within the industry that provided the minimum requirements for Site-Applied Wrap Corrosion Protection Systems for the protection of shore based marine metallic structures. There are standards that provide the minimum requirements for other types of protective systems and for offshore structures. This standard was therefore required to inform the industry of the minimum requirements of Site-Applied Wrap Corrosion Protection Systems for the protection of shore based marine metallic structures.

Referenced Standards and Other Consensus Documents

The latest edition, revision, or amendment of the referenced standards in effect shall govern unless otherwise dated.

AMPP/NACE/SSPC, www.ampp.org:

ANSI/NACE MR0175/ Petroleum and Natural Gas Industries — Materials for Use in H₂S-containing Environments
ISO 15156-1 in Oil and Gas Production — Part 1: General Principles for Selection of Cracking-resistant
Materials

ASTM International, www.astm.org:

ASTM D70 Standard Test Method for Specific Gravity and Density of Semi-Solid Asphalt Binder (Pycnometer Method)
ASTM D149 Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies
ASTM D570 Standard Test Method for Water Absorption of Plastics
ASTM D746 Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact
ASTM D771 Standard Test Methods for Coated Fabrics
ASTM D1600 Standard Test Method for Carbon Black Content in Olefin Plastics
ASTM L3389 Standard Test Method for Coated Fabrics Abrasion Resistance (Rotary Platform Abrader)
ASTM D4218 Standard Test Method for Determination of Carbon Black Content in Polyethylene Compounds by the Muffle-Furnace Technique
ASTM G154 Standard Practice For Operating Fluorescent Ultraviolet (UV) Lamp Apparatus For Exposure Of Nonmetallic Materials.