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Paints and varnishes — Performance requirements for protective paint systems for offshore and related structures

*Peintures et vernis — Exigences de performance relatives aux
systèmes de peinture pour la protection des structures offshore et
structures associées*



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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 20340 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 14, *Protective paint systems for steel structures*.

Introduction

Offshore and related structures, e.g. oil and gas facilities, require specific attention in order to be able to withstand the severe corrosion stresses to which they are exposed during their service life and to minimize the risk of failures that would impact safety, operating costs or capital cost.

In order to establish sufficient corrosion protection and ensure optimum performance of the coating, it is necessary to specify the requirements for the protection paint system(s) along with the relevant laboratory performance tests to assess its (their) likely durability.

In order to achieve the same performance as indicated by testing, proper application of the paint is essential. Close attention needs to be given to the execution of the work.

In ISO 12944, relevant requirements are given for the following:

- corrosivity categories for the atmosphere, water and soil (Part 2);
- suitable design measures (Part 3);
- the surface and its preparation (Part 4);
- application of the paint and the execution and supervision of the paint work during the construction and installation of the structure (Part 7);
- development of a specification (Part 8).



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