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Methods of test for paints

Part F11: Determination of resistance to cathodic disbonding of coatings for use on land-based buried structures

It is recommended that this Part be read in conjunction with the general information in the Introduction to BS 3900, issued separately.

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Foreword

This Part of BS 3900 is one of a series of standards dealing with the sampling and testing of paints, varnishes and related products. It has been prepared under the direction of the Pigments, Paints and Varnishes Standards Committee.

The method of test described in this Part permits the assessment of the ability of paint and other organic coatings applied to metallic substrates to withstand cathodic disbonding. This method may also afford a basis for the comparison of particular coatings. The conditions of the test are more severe than those likely to be normally encountered and thus coating failure may be accelerated. It is recommended that the test should be carried out for a period of 28 days and hence this method is not suitable as a means of achieving quality control.

In order to carry out the method of test described in this Part it is necessary for certain supplementary information, itemized in clause 3, to be made available or to be agreed between the parties.

The procedure described in this Part is suitable for coatings to be used for the protection of land-based structures, such as pipelines; it is based on the procedure developed by the British Gas Corporation. The procedure described in Part F10 is based on that developed and evaluated by COIPM (Comité International Permanent pour la Protection des Matériaux en Milieu Marin) and should be used for coatings that are intended for the protection of ships and structures exposed to marine environments.

It has been assumed in the drafting of this British Standard that it will be used and applied by those who are approximately qualified and experienced.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

This British Standard, having been prepared under the direction of the Pigments, Paints and Varnishes Standards Committee, was published under the authority of the Board of BSI and comes into effect on 28 February 1985

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The Committees responsible for this British Standard are shown in BS 3900: Introduction.
The following BSI references relate to the work on this standard:
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Amendments issued since publication

Amd. No.	Date of issue	Comments