



BSI Standards Publication

Carbon based films — Classification and designations

National foreword

This British Standard is the UK implementation of ISO 20523:2017.

The UK participation in its preparation was entrusted to Technical Committee STI/33, Electrodeposited and related coatings.

A list of organizations represented on this committee can be obtained on request to its secretary.

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© The British Standards Institution 2017
Published by BSI Standards Limited 2017

ISBN 978 0 580 92967 0

ICS 25.220.99

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 September 2017.

Amendments/corrigenda issued since publication

Date	Text affected
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Carbon based films — Classification and designations

Films à base de carbone — Classification et désignations





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Foreword

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This document was prepared by ISO/TC 107, *Metallic and other inorganic coatings*.

Introduction

Carbon based films are applied as a coating to modify the surface properties of parts or to synthesize the carbon material. The applications cover machine elements, tools, optics, electronics, medical engineering, microsystem technology, electrochemistry, acoustics, decoration and many more. Carbon based films exist as many different types, which differ significantly in their properties. It is therefore important to choose the right film type for a given application.

The aim of this document is to provide a consistent classification that covers all carbon based film types. Furthermore, the classified film types are named with a system of consistent designations. This enables both providers and users to compare different carbon based films on common nomenclature.