
Watch-cases and accessories — Vapour phase deposited coatings

*Boîtes de montres et leurs accessoires — Revêtements déposés en
phase vapeur*

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Foreword

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This document was prepared by Technical Committee ISO/TC 114, *Horology*, Subcommittee SC 6, *Precious metal coverings*.

This second edition cancels and replaces the first edition (ISO 16253:2007), which has been technically revised. The main change is the update of normative references.

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Introduction

This document has been developed in order to meet the global need for a definition of the requirements and tests that enable characterization of coatings applied by vapour phase deposition to watch-cases and their accessories.

It defines the terms used in connection with the main vapour phase deposition processes, and presents the requirements relating to the appearance and strength of the deposited coatings, as well as their resistance to physical and chemical attack. On the conclusion of an agreement between the customer and the supplier, some latitude is left as to the choice of standard test methods and determination of acceptable limit values.

This document defines a simple structure, which facilitates identification of the base material, the deposited coatings and their thickness, in order to give information to consumers. It advises manufacturers to provide these indications in the documents supplied with the watch.

To protect the consumer, this document stipulates the conditions for marking watch-cases and their accessories, as well as the required compliance with ISO 3160-1, which specifies the thickness and minimum gold content for gold alloy coatings.

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