



**International
Standard**

ISO 18935

**Imaging materials — Colour
images — Determination of water
resistance of printed colour images**

*Matériaux pour l'image — Images en couleurs sur impressions
en papier — Détermination de la résistance interne de la couleur
à l'eau*

**Fourth edition
2025-02**

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 42, *Photography*.

This fourth edition cancels and replaces the third edition (ISO 18935:2018), of which it constitutes a minor revision.

The main changes are as follows:

- new informative annex on “Water emergency scenarios with inkjet prints”.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Water resistance is not an important consideration in the normal storage of colour prints. However, in a disaster situation, such as floods, earthquakes or water main breaks, this property can be of critical importance if the print is to be salvaged. A wide variety of materials are used for digital colour prints and the colorants used in some digital prints are water soluble. The degree of their water resistance varies depending upon the colorants used and if the print has a water-resistant overcoat. In addition, the paper or other substrate may be of equal importance. The same colorants may exhibit very good water resistance on one substrate but can be completely washed off from a different substrate. Even print systems that use water-insoluble colorants may be damaged by water exposure if the substrate is not also water resistant. This document provides a standardized method to evaluate the qualitative water resistance of colour prints.

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