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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 14624.4-2008

Replacing GB/T 14624.4-1993

Test method for drying time of film formation of offset ink

胶印油墨结膜干燥检验方法

(English Translation)

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Foreword

GB/T 14624 in this section instead of GB/T 14624.4-1993 "ink xerophthalmia test methods."
Part of GB/T 14624.4-1993 The main differences are.

- Standard name was changed to "offset printing ink xerophthalmia test methods";
- Standard sample preparation paper made from 157g/m² double-sided coated paper to 60g/m² parchment, the relevant dimensions are also adjusted;
- Ambient temperature index has been adjusted;
- Added Appendix A.

This section of Appendix A normative appendix.

This part is proposed by the China National Light Industry Council.

This part of the National Standardization Technical Committee under the jurisdiction of the ink.

This section is drafted. Hangzhou Toka Ink Chemical Co., Ltd., Taiyuan, Gao Laurie Ink Chemical Co., Ltd. Zhejiang Yong Chemical Co.

The company, Tianjin Toyo Ink Co., Ltd., the state printing and decorating products Quality Supervision and Inspection Center.

1 Scope

GB/T 14624 provisions of this part of the conjunctiva offset printing ink drying test.

This section applies to the conjunctiva offset printing ink drying test.

Method 2 a

2.1 Principle

Under specified conditions, the surface of a thin layer of ink was measured by the slurry into a solid shortest time, to represent the h.

2.2 Tools and materials

2.2.1

Standard sample preparation Paper. 60g/m² parchment (also known as parchment paper or parchment paper), size 295mm x 210mm, paper inscribed with long 250mm wide and 5mm elongated holes.

2.2.2

Cotton.

2.2.3

scrubbing solvent. ethanol.

2.2.4

palette knife.

2.2.5

blade.

2.2.6

glass.

2.2.7

pins.

2.2.8

timer.

2.3 Test conditions

Test should be carried out at a temperature of (23 ± 2) °C, relative humidity $(65 \pm 5)\%$ condition.

2.4 Test step

2.4.1

with a palette knife to take a sample of the ink to about 5g, placed on a glass plate to mobilize 15 times (round trip).

2.4.2

has been previously cut holes in parchment good flat coated on a glass plate, two fixed with transparent tape, with palette knife has been thoroughly taken samples Ink about 2g placed over parchment with equal force to the blade of the ink from the top down through the hole to scrape the bottom.

2.4.3

Peel off parchment-like scratch, leaving a thin layer of parchment ink sample thickness on a glass plate, recording the name, start timing.

2.4.4

Timing with the bulk ink for thin scratches were observed whether collapse within 5min scratches. Such as scratches within the prescribed time is no longer closed, Compared with the end of the test.

2.5 Test Results

Calculation scraping ink-like finish to scratch no longer closed time (h), compared to a solid surface of a thin layer of ink shortest time (h), namely by Try conjunctiva ink dry time (h).

3 Method Two

Conjunctiva offset printing ink drying method of automatic test equipment in accordance with Appendix A to operate.