

DIN EN ISO 6504-3

DIN

ICS 87.040

Supersedes
DIN 53778-3:1983-08

**Paints and varnishes –
Determination of hiding power –
Part 3: Determination of contrast ratio of light-coloured paints at a fixed
spreading rate (ISO 6504-3:2006)
English version of DIN EN ISO 6504-3:2007-05**

Beschichtungsstoffe –
Bestimmung des Deckvermögens –
Teil 3: Bestimmung des Kontrastverhältnisses von hellen Beschichtungen bei einer
festgelegten Ergiebigkeit (ISO 6504-3:2006)
Englische Fassung DIN EN ISO 6504-3:2007-05

Document comprises 15 pages

National foreword

This standard falls within the responsibility of Technical Committee CEN/TC 139 "Paints and varnishes" (Secretariat: DIN, Germany). It is identical with International Standard ISO 6504-3:2006 which was prepared by Technical Committee ISO/TC 35 "Paints and varnishes", Subcommittee SC 9 "General test methods for paints and varnishes" (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was the *Normenausschuss Beschichtungsstoffe und Beschichtungen* (Coatings and Coating Materials Standards Committee), Technical Committee NA 002-00-09 AA *Beschichtungen und Beschichtungsstoffe für mineralische Untergründe/Kunststoffdispersionsbeschichtungen*.

ISO 6504-3:2006 cancels and replaces ISO 6504-3:1998, which has been technically revised.

DIN EN ISO 6504 consists of the following parts, under the general title *Paints and varnishes — Determination of hiding power*:

- *Part 1: Kubelka-Munk method for white and light-coloured paints*
- *Part 3: Determination of contrast ratio of light-coloured paints at a fixed spreading rate*

The subject originally intended to be covered by Part 2 is currently covered by DIN EN ISO 2814, *Paints and varnishes — Comparison of contrast ratio (hiding power) of paints of the same type and colour*.

The DIN Standards corresponding to the International Standards referred to in clause 2 of the EN are as follows:

ISO 1513	DIN EN ISO 1513
ISO 2811-1	DIN EN ISO 2811-1
ISO 2811-2	DIN EN ISO 2811-2
ISO 2811-3	DIN EN ISO 2811-3
ISO 2811-4	DIN EN ISO 2811-4
ISO 3251	DIN EN ISO 3251
ISO 4618	DIN EN ISO 4618
ISO 15528	DIN EN ISO 15528

Amendments

This standard differs from DIN 53778-3:1983-08 as follows:

- a) Determination of the contrast ratio is no longer based on a specified quantity of coating material (300 g/m²), but on the average spreading rate, in m²/l, in accordance with the manufacturer's instructions.
- b) The standard has been editorially revised.

Previous editions

DIN 53778-3: 1976-09, 1983-08

National Annex NA
(informative)

Bibliography

- DIN EN ISO 1513, *Paints and varnishes — Examination and preparation of samples for testing*
- DIN EN ISO 2811-1, *Paints and varnishes — Determination of density — Part 1: Pycnometer method*
- DIN EN ISO 2811-2, *Paints and varnishes — Determination of density — Part 2: Immersed body (plummet) method*
- DIN EN ISO 2811-3, *Paints and varnishes — Determination of density — Part 3: Oscillation method*
- DIN EN ISO 2811-4, *Paints and varnishes — Determination of density — Part 4: Pressure cup method*
- DIN EN ISO 3251, *Paints, varnishes and plastics — Determination of non-volatile matter content*
- DIN EN ISO 4618, *Paints and varnishes — Terms and definitions*
- DIN EN ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*