

Transformed

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION
R 1524

PAINTS AND VARNISHES

DETERMINATION OF FINENESS OF GRIND

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 1524, *Paints and varnishes – Determination of fineness of grind*, was drawn up by Technical Committee ISO/TC 35, *Paints and varnishes*, the Secretariat of which is held by the Netherlands Normalisatie-instituut (NNI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1524, which was circulated to all the ISO Member Bodies for enquiry in November 1969. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Austria	Italy	Sweden
Chile	Netherlands	Switzerland
Denmark	New Zealand	Turkey
France	Poland	U.A.R.
Germany	Portugal	United Kingdom
Greece	South Africa, Rep. of	U.S.S.R.
Israel	Spain	Yugoslavia

No Member Body opposed the approval of the Draft.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

PAINTS AND VARNISHES

DETERMINATION OF FINENESS OF GRIND

INTRODUCTION

This ISO Recommendation is one of a series dealing with the sampling and testing of paints, varnishes and related products. It should be read in conjunction with ISO Recommendation R 1512, *Paints and varnishes – Sampling*, and ISO/R 1513, *Paints and varnishes – Examination and preparation of samples for testing*.

1. SCOPE

This ISO Recommendation describes a method for determining the fineness of grind of paints and related products, by the use of a suitable gauge graduated in micrometres.

NOTE. – Various fineness-of-grind gauges, graduated in arbitrary units (see Appendix) are used in industry, but these are not recommended.

2. FIELD OF APPLICATION

This ISO Recommendation is applicable to all types of paints and related products. Of the three gauges referred to in clause 3.1, the 0 to 100 μm gauge is suitable for general use, but the 0 to 50 μm gauge and especially the 0 to 25 μm gauge will only provide reliable results in the hands of skilled laboratory personnel.

Particular caution is necessary in interpreting readings of less than 10 μm .

3. DEFINITION

Fineness of grind. The reading in micrometres obtained on a standard gauge under specified conditions of test, indicating the depth of the gauge at which discrete solid particles in the product are readily discernible.