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# INTERNATIONAL STANDARD



# 510

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Red lead for paints

*Minium pour peintures*

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**Descriptors** : paints, pigments, red lead, specifications, physical properties, chemical composition, chemical analysis, physical tests.

Price based on 4 pages



## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 510 was drawn up by Technical Committee ISO/TC 35, *Paints and varnishes*, and was circulated to the member bodies in December 1974.

It has been approved by the member bodies of the following countries :

Australia	Iran	South Africa, Rep. of
Austria	Ireland	Spain
Brazil	Italy	Sweden
Bulgaria	Netherlands	Switzerland
Egypt, Arab Rep. of	New Zealand	Turkey
France	Poland	Yugoslavia
Germany	Portugal	
India	Romania	

The member body of the following country expressed disapproval of the document on technical grounds :

United Kingdom

This International Standard cancels and replaces ISO Recommendation R 510-1966, of which it constitutes a technical revision.



# Red lead for paints

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the requirements and corresponding test methods for two types of red lead pigment, suitable for use in paints.

## 2 REFERENCES

ISO/R 150, *Raw, refined and boiled linseed oil*.

ISO 787, *General methods of test for pigments*.

ISO 842, *Raw materials for paints and varnishes – Sampling*.

## 3 DEFINITIONS

**3.1 red lead** : A red to orange-red pigment which consists

of lead orthoplumbate ( $\text{Pb}_3\text{O}_4$ ) and lead monoxide ( $\text{PbO}$ ) and in which no impurities other than those arising from normal manufacturing processes are present.

**3.2 non-setting red lead; high-percentage red lead** : Red lead which, when mixed with linseed oil, does not cause undue thickening.

## 4 REQUIRED CHARACTERISTICS AND THEIR TOLERANCES

Red lead shall have the characteristics shown in the table.

## 5 SAMPLING

A representative sample of the pigment shall be taken in accordance with ISO 842.