

FOREWORD

Amendment 1 to ISO Recommendation R 1457-1970 (originally Draft ISO Recommendation No. 2357) was drawn up by Technical Committee ISO/TC 107, *Metallic and other non-organic coatings*.

It was approved in October 1971 by the Member Bodies of the following countries :

| | | |
|---------------------|-------------|-----------------------|
| Australia | Ireland | South Africa, Rep. of |
| Austria | Israel | Sweden |
| Egypt, Arab Rep. of | Italy | Switzerland |
| France | Netherlands | Thailand |
| Germany | New Zealand | United Kingdom |
| Hungary | Romania | U.S.S.R. |

No Member Body expressed disapproval of the document.

Amendment 1 – May 1972 – to ISO Recommendation R 1457-1970

Amendment 1

to ISO Recommendation R 1457-1970

**ELECTROPLATED COATINGS FOR COPPER PLUS NICKEL
PLUS CHROMIUM ON STEEL (OR IRON)**

Clause 6.3.3

Delete the symbol "m" for micro-cracked chromium and substitute the symbol "mc".

Add the following text after the paragraph now beginning "mc – for micro-cracked chromium" :

"mp – for micro-porous chromium***, containing a minimum of 10 000 pores per cm² when determined by the method given in Annex D, section D.2, and having a minimum thickness of 0.3 μm. The pores should be invisible to the unaided eye.

There may be some loss of lustre after a period of service in the case of mp chromium deposits which could be unacceptable in some applications. This tendency can be reduced by increasing the chromium deposit thickness in every case where micro-porous chromium is specified in Table 1. The modified designation to be used in such cases in place of Cr mp is as follows :

Cr mp 0.5

The figure refers to the minimum thickness of chromium in micrometres."

Add the following footnote :

"*** This is commonly achieved by depositing chromium over a special thin nickel layer which contains inert non-conducting particles and is applied on top of normal b, p and d nickel.

Delete "Fe/Cu20 Ni25b Cr m" and substitute "Fe/Cu20 Ni25b Cr mc".