

# INTERNATIONAL STANDARD

**ISO**  
**9717**

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## **Phosphate conversion coatings for metals — Method of specifying requirements**

*Couches de conversion au phosphate sur métaux — Méthode de  
spécification des caractéristiques*



Reference number  
ISO 9717:1990(E)

## Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 9717 was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*.

Annexes A, B, C, D, E, F, G, H and J of this International Standard are for information only.

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## Introduction

Phosphate conversion coatings are applied to ferrous metals, aluminium, zinc, including zinc plated steel, cadmium and their alloys, either as an end finish or as an intermediate layer for other coatings.

They are intended to

- a) impart corrosion resistance;
- b) improve adhesion to paints and other organic finishes;
- c) facilitate cold forming operations such as wire drawing, tube drawing and extrusion;
- d) modify surface frictional properties so as to facilitate sliding.

A general description of the principle processes are given for guidance in annex A. Recommendations for coating and after-treatment for each end use are given in annex B , annex C, annex D and annex E.