



**International  
Standard**

**ISO 9717**

**Metallic and other inorganic  
coatings — Phosphate conversion  
coating of metals**

*Revêtements métalliques et autres revêtements inorganiques —  
Couches de conversion au phosphate sur métaux*

**Fourth edition  
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## Foreword

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This document was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings, Subcommittee SC 8, Chemical conversion coatings*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 262, *Metallic and other inorganic coatings, including for corrosion protection and corrosion testing of metals and alloys*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 9717:2017), which has been technically revised. <https://standards.iteh.ai/catalog/standards/iso/aa2c3331-9c0c-4a4f-8638-e0d0a35dc856/iso-9717-2024>

The main changes are as follows:

- the introduction has been clarified (1 bracket shifted);
- [5.1 Table 1](#) formatted and for Znph second line added to describe types of Znph; new [Table 1](#) copied on [Table C.1](#)
- [5.2](#) and ff.: all terms are uniformed from “phosphate coating” or “conversion coating” to “phosphate conversion coating” (when applicable);
- [5.2](#) and ff.: “after-treatment” was changed to “post treatment”; other definitions and spelling changed according to ISO 2080;
- [6.3 Table 2](#): definition of T1 recharged, second sentence deleted (this is content of T2);
- [6.3](#): last sentence updated to describe impact of neutral salt spray test;
- [6.4](#): revision of [6.4](#), thickness measurement replaced by area related mass;
- [Annex B](#): last sentence of [B.1](#) deleted: [Table B.1](#) updated;
- [Annex B](#): [Table B.1](#) and [B.3](#) headlines updated;
- [Annex B](#): [Table B.4](#) headline updated;