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Vitreous and porcelain enamels — Terminology —

Part 2: Visual representations and descriptions

Émaux vitrifiés — Terminologie —

Partie 2: Représentations visuelles et descriptions

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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A list of all parts in the ISO 19496 series can be found on the ISO website.

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Vitreous and porcelain enamels — Terminology —

Part 2:
Visual representations and descriptions

1 Scope

This document establishes a system for the cataloguing of defects in sheet steel enamelling. It serves for a consistent language use concerning the designation and characterization of enamelling defects. This document is limited to detectable defects and does not purport to fully take into consideration all occurring types of defects. It does not evaluate enamelling defects; the classification carried out serves for the conveyance of practical knowledge.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

4 Enamelling defects

4.1 Chipping

4.1.1 Further designations

— spalling

— pop-offs

— peeling

— delamination

4.1.2 Description

Chipping (see Figure 1) is surface detachment of the vitreous enamel exposing the layer below or also the substrate.

4.1.3 Origin and causes

Chipping occurs if the stress in the vitreous enamel layer is too great or the adhesion between the vitreous enamel and the substrate is too low.

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