

Geometrical product specifications (GPS) - Surface texture: Areal - Part 2: Terms, definitions and surface texture parameters (ISO 25178-2:2012)

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English Version

**Geometrical product specifications (GPS) - Surface texture:
Areal - Part 2: Terms, definitions and surface texture parameters
(ISO 25178-2:2012)**

Spécification géométrique des produits (GPS) - Etat de surface: Surfacing - Partie 2: Termes, définitions et paramètres d'états de surface (ISO 25178-2:2012)

Geometrische Produktspezifikation (GPS) - Oberflächenbeschaffenheit: Flächenhaft - Teil 2: Begriffe und Oberflächen-Kenngrößen (ISO 25178-2:2012)

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Foreword

This document (EN ISO 25178-2:2012) has been prepared by Technical Committee ISO/TC 213 "Dimensional and geometrical product specifications and verification" in collaboration with Technical Committee CEN/TC 290 "Dimensional and geometrical product specification and verification" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2012, and conflicting national standards shall be withdrawn at the latest by October 2012.

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Introduction

This part of ISO 25178 is a geometrical product specification (GPS) standard and is to be regarded as a general GPS standard (see ISO/TR 14638). It influences chain link 2 of the chains of standards on areal surface texture.

The ISO/GPS Masterplan given in ISO/TR 14638 gives an overview of the ISO/GPS system of which this document is a part. The fundamental rules of ISO/GPS given in ISO 8015 apply to this document and the default decision rules given in ISO 14253-1 apply to specifications made in accordance with this document, unless otherwise indicated.

For more detailed information of the relation of this standard to the GPS matrix model, see Annex E.

This part of ISO 25178 develops the terminology, concepts and parameters for areal surface texture.

Geometrical product specifications (GPS) — Surface texture: Areal —

Part 2: Terms, definitions and surface texture parameters

1 Scope

This part of ISO 25178 specifies terms, definitions and parameters for the determination of surface texture by areal methods.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/TS 16610-1:2006, *Geometrical product specifications (GPS) — Filtration — Part 1: Overview and basic concepts*

ISO 17450-1:2011, *Geometrical product specifications (GPS) — General concepts — Part 1: Model for geometrical specification and verification*

ISO 25178-3:—¹⁾, *Geometrical product specifications (GPS) — Surface texture: Areal — Part 3: Specification operators*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 17450-1 and ISO/TS 16610-1, and the following apply.

3.1 General terms

3.1.1

non-ideal surface model

skin model

<of a workpiece> model of the physical interface of the workpiece with its environment

[ISO 17450-1:2011, 3.2.2]

1) To be published.