

BS EN 13523-4:2014



BSI Standards Publication

Coil coated metals — Test methods

Part 4: Pencil hardness

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National foreword

This British Standard is the UK implementation of EN 13523-4:2014. It supersedes BS EN 13523-4:2001 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee STI/21, Surface preparation of steel.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

Coil coated metals - Test methods - Part 4: Pencil hardness

Tôles prélaquées - Méthodes d'essai - Partie 4: Dureté
crayon

Bandbeschichtete Metalle - Prüfverfahren - Teil 4:
Bleistifthärte

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 13523-4:2014) has been prepared by Technical Committee CEN/TC 139 “Paints and varnishes”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by January 2015 and conflicting national standards shall be withdrawn at the latest by January 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13523-4:2001.

The main technical changes are:

- a) the definition of pencil hardness was amended;
- b) the term “remove the coating” was corrected to “scratch the coating” in the description of the result of the test;
- c) a remark on preconditioning was added;
- d) concerning the applicability of the pencil hardness test, a reference to EN ISO 15184 was added.

EN 13523, *Coil coated metals — Test methods*, consists of the following parts:

- *Part 0: General introduction*
- *Part 1: Film thickness*
- *Part 2: Gloss*
- *Part 3: Colour difference — Instrumental comparison*
- *Part 4: Pencil hardness*
- *Part 5: Resistance to rapid deformation (impact test)*
- *Part 6: Adhesion after indentation (cupping test)*
- *Part 7: Resistance to cracking on bending (T-bend test)*
- *Part 8: Resistance to salt spray (fog)*
- *Part 9: Resistance to water immersion*
- *Part 10: Resistance to fluorescent UV radiation and water condensation*
- *Part 11: Resistance to solvents (rubbing test)*
- *Part 12: Resistance to scratching*