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BS 7079:2009



BSI British Standards

General introduction to standards for preparation of steel substrates before application of paints and related products

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Foreword	<i>ii</i>
1	Scope <i>1</i>
2	Normative references <i>1</i>
3	Terms and definitions <i>1</i>
4	List of standards <i>5</i>
5	Further information <i>8</i>
Bibliography	<i>12</i>
List of tables	
Table 1 – STI/21 Standards	<i>5</i>

Summary of pages

This document comprises a front cover, an inside front cover, pages i to ii, pages 1 to 12, an inside back cover and a back cover.

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Publishing information

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Information about this document

This revision of BS 7079–0 incorporates changes made necessary by the publication of BS EN ISO standards with single identifying numbers, where previously they were dual-numbered.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

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This British Standard provides a general introduction to all the steel surface preparation standards. It gives general information on all the separate groups of standards, along with a complete listing of all the published standards that cover abrasive blast-cleaning, hand- and power-tool cleaning and flame cleaning of steel substrates.

This British Standard also includes definitions that are applicable to all the standards listed. Additional definitions, specific to certain processes, are given in the respective standards.

To help the user, all of the 'older' BS 7079 references are given so that the new and/or updated standards can easily be found, as (although some remain dual-numbered) many are now only known by their BS EN ISO reference.

Although the surface preparation standards are primarily intended for use with hot-rolled steel, abrasive blast-cleaning methods, in particular, might also be applicable to the surface preparation of cold-rolled steel of sufficient thickness to withstand any deformation caused by the impact of the abrasive.

The standards are not applicable to non-ferrous substrates such as aluminium or galvanized or electroplated steel.

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.

BS EN ISO 4618:2006, *Paints and varnishes – Terms and definitions*

3 Terms and definitions

For the purposes of this British Standard, the terms and definitions given in BS EN ISO 4618:2006 and the following apply.

NOTE 1 A confusing aspect of the terminology in this field is the tendency to use the term "coating" in three senses: for the material applied, the action of applying the material, and the resulting film. In this Standard "coating" is used only for the action, "coat" is used for the resulting film and "coating material" for the material used.

NOTE 2 Where "[BS EN ISO <number>]" appears under a definition, it indicates that the definition is taken from BS EN ISO <number>.

3.1 abrasive blast-cleaning

impingement of a high-kinetic energy stream of an abrasive on the surface to be prepared

[BS EN ISO 4618:2006]

NOTE 1 For details on commonly used abrasives (including terms belonging to a full description) see BS EN ISO 8504-2, the BS EN ISO 11124 series and the BS EN ISO 11126 series.

NOTE 2 Main groups of abrasive blast-cleaning methods are dry abrasive blast-cleaning and wet abrasive blast-cleaning. For details see BS EN ISO 8504-2.