INTERNATIONAL STANDARD

ISO 11479-1

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Glass in building — Coated glass —

Part 1: Physical defects

Verre dans la construction — Verre à couche — Partie 1: Défauts physiques

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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 11479-1 was prepared by Technical Committee ISO/TC 160, *Glass in building*, Subcommittee SC 1, *Product considerations*.

ISO 11479 consists of the following parts, under the general title *Glass in building — Coated glass*:

— *Part 1: Physical defects*

— *Part 2: Colour of façade*

Glass in building — Coated glass —

Part 1:
Physical defects

1 Scope

This part of ISO 11479 specifies optical quality requirements for coatings applied to glass using either pyrolytic, sol-gel or vacuum (sputtering) deposition methods for use in building glazing. More specifically, this part of ISO 11479 relates to low-e and solar-control coated glass. This part of ISO 11479 is not applicable to patterned or other optically distorting glass.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1 Basic definitions

2.1.1
method of deposition
method of adding a single or multilayer coating consisting of metal, oxide, nitride, fluoride or other compound to the surface of the glass by vacuum (sputtering), sol-gel or pyrolytic deposition

2.1.2
coated glass
glass substrate to which a coating has been applied on one or both sides in order to modify one or more of its properties

2.1.3
coating
one or more layers applied to the glass using either the pyrolytic, sol-gel or vacuum (sputtering) deposition method

2.1.4
finished size glass
flat glass sheet cut to the dimensions required for final fabrication or use

2.1.5
stock size glass
jumbo size glass
standard size of annealed flat glass sheet that may be cut down to a smaller finished size for fabrication

2.1.6
daylight illumination
uniform overcast sky, with or without direct sunlight

2.1.7
glass substrate
glass to which the coating is applied to either one or both sides

NOTE Examples of glass substrates are: basic float glass (clear or body-tinted), thermally or chemically toughened safety glass, thermally toughened borosilicate safety glass, heat-strengthened glass, heat-strengthened borosilicate glass, laminated glass, laminated safety glass, alkaline earth silicate glass, or toughened alkaline earth silicate glass.