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BS EN 12488:2016



BSI Standards Publication

Glass in building — Glazing recommendations — Assembly principles for vertical and sloping glazing

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This British Standard is the UK implementation of EN 12488:2016.

The UK participation in its preparation was entrusted to Technical Committee B/520/4, Properties and glazing methods.

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

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

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Glass in building - Glazing recommendations - Assembly principles for vertical and sloping glazing

Verre dans la construction - Recommandations pour la mise en oeuvre - Principes de pose pour vitrage vertical et incliné

Glas im Bauwesen - Empfehlungen für die Verglasung - Verglasungsgrundlagen für vertikale und abfallende Verglasung

This European Standard was approved by CEN on 8 April 2016.

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European foreword

This document (EN 12488:2016) has been prepared by Technical Committee CEN/TC 129 "Glass in building", the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by December 2016, and conflicting national standards shall be withdrawn at the latest by December 2016.

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.

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Introduction

This European Standard deals with the glazing system i.e. the glazing, the glazing blocks, the sealants, the gaskets and the components used to assemble the glazing into a frame, as well as the rebate.

It gives the basic principles to avoid damages due to the construction. The observance of these recommendations will ensure a reasonable working life of the glazing. Additional requirements and precisions are to be found in the national regulations and/or national codes of practice, in order to deal with regional particularities due to climate, professional habits, availability of materials, etc. Special requirements can also be specified by manufacturers of components of the glazing system, including glazing.

Mechanical, thermal, chemical and moisture conditions are essential to preserve the functionality and the operability of the glazing in the long term. Information with regards to the durability of a glass product is given in the applicable harmonized European Standard (hEN).

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1 Scope

This European Standard defines principles of glazing as well as recommendations on the selection of components, e.g. frame sections, beads, drainage holes, etc., for fitting glazing into frames of any material.

This European Standard applies to all basic types of edge supported vertical and sloping glazing systems, in all types of fixed or opening frames used in buildings.

This European standard specifies also the functions, requirements and installation of glazing blocks within a frame during its manufacturing, transportation, installation and operational life. The standard applies to glazing blocks used for all types of flat or curved glass, as well as to derived processed types of glass.

For certain glass products, e.g. fire resistant glazing, security glass, other or additional requirements, rules or recommendations may apply.

The standard is applicable to European climate conditions.

This European Standard does not apply to the following:

- glass blocks and glass pavers (EN 1051-1);
- channel-shaped glass (EN 572-7);
- structural sealant glazing (see EN 13022-1 and EN 13022-2 and ETAG 002);
- adhesively bonded glazing in window;
- point fixed glazing;
- greenhouses (see EN 13031-1).

As this standard gives basic assembly principles only, national requirements, rules or recommendations may also apply.

2 Normative references

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

EN 1279-1, *Glass in Building — Insulating glass units — Part 1: Generalities, dimensional tolerances and rules for the system description*

EN 12365-1, *Building hardware — Gasket and weatherstripping for doors, windows, shutters and curtain walling — Part 1: Performance requirements and classification*

EN 13241-1, *Industrial, commercial and garage doors and gates — Product standard — Part 1: Products without fire resistance or smoke control characteristics*

EN 13830, *Curtain walling — Product standard*

EN 14351-1, *Windows and doors — Product standard, performance characteristics — Part 1: Windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics*