



BSI Standards Publication

Glass in building — Shatter properties — Requirements and assessment methods

National foreword

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The UK participation in its preparation was entrusted to Technical Committee B/520, Glass and glazing in building.

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

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**Glass in building - Shatter properties - Requirements and
assessment methods**

Verre dans la construction - Comportement lors du bris
- Exigences et méthodes d'évaluation

Glas im Bauwesen - Brucheigenschaften -
Anforderungen und Bewertungsmethoden

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European foreword

This document (EN 17635:2022) 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of an identical text or by endorsement, at the latest by May 2023, and conflicting national standards shall be withdrawn at the latest by May 2023.

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Introduction

Under the former Construction Products Directive, the concept of “conformity with the standard” has made the assessment of fragmentation properties mandatory for thermally treated glass, as failing to satisfy the fragmentation test (pass/fail criterion) forbid the manufacturer to claim compliance with the relevant standard.

With the Construction Products Regulation, the concept of “conformity with the standard” doesn't exist anymore. Therefore, in order to fulfil the needs of national regulations which presuppose that this assessment is made, fragmentation properties have to be declared explicitly in the declaration of performances (DoP).

The description of the fragmentation test was in the part 1 of six product standards, five of them using the Method A and one using the method B (see bibliography, references [3] to [8]). But no reference was made to this test in the harmonized part (part 2) of the same product standard. Moreover, glass presenting specific shatter properties can be used as substrate or as component of further transformed glass products, for which the possibility to declare the shatter property was not explicitly mentioned in the respective hEN.

The aim by transferring the description of the fragmentation tests in a separate standard on shatter properties is to allow for a declaration of this characteristic in the DoP. All hENs on glass products, when revised, will make a reference to the shatter properties standard in their Clause 4, “Characteristics”. Shatter properties will be a characteristic that will be possible to declare, like any other characteristic already included in Clause 4.

The wording “shatter properties” is the one used in Mandate M/135. In order to be compliant with that Mandate, the word “fragmentation” is replaced by “shatter properties” although nothing has been modified in the description of the test methods.