# DIN 18008-2:2020-05 (E)

## Glass in Building - Design and construction rules - Part 2: Linearly supported glazings

## Contents

Page


**Foreword** ... 3

**1 Scope** ... 4

**2 Normative references** ... 4

**3 Terms and definitions** ... 4

**4 Construction products** ... 4

**5 Conditions for use** ... 5

**6 Actions and verifications** ... 5
**6.1 Verification of the ultimate limit state and serviceability limit state** ... 5
**6.2 Verification of residual load-bearing capacity** ... 7

**Annex A** (informative) **Approximation methods for determination of climatic loads and distribution of actions** ... 8
**A.1 General** ... 8
**A.2 Calculation of the individual panes' proportions $\delta_a$ and $\delta_i$ in the total bending stiffness** ... 8
**A.3 Calculation of the characteristic edge length $a^*$** ... 9
**A.4 Calculation of factor $\varphi$** ... 9
**A.5 Determination of the isochoric pressure $p_0$** ... 10
**A.6 Distribution of actions** ... 10

**Annex B** (normative) **Structures with verified residual load-bearing capacity** ... 13
**B.1 Overhead glazing** ... 13
**B.1.1 General** ... 13
**B.1.2 Glazing made of laminated safety glass (LSG)** ... 13
**B.1.3 Glazing made of wired glass** ... 13
**B.2 Vertical glazing** ... 13

**Annex C** (informative) **Measures for ensuring the required reliability for the use of monolithic heat-soaked thermally toughened soda lime silicate safety glass in accordance with DIN EN 14179-1 and -2 above 4 m installation height** ... 15

**Bibliography** ... 16


## Figures


**Figure A.1 — Examples: wind pressure (left), positive or negative pressure (centre or right)** ... 10


## Tables


**Table A.1 — Factor $B_V$** ... 9
**Table A.2 — Distribution of actions** ... 10
**Table A.3 — Proportion of the stiffness of individual panes in the total stiffness** ... 11