

Relevant standards for glass products and applications


## Relevant standards and guidelines

Austrian Standard ÖNORM EN	2
ETAG – Guideline for European technical approval	11


Relevant standards for glass products and applications

## Austrian Standard ÖNORM EN

81-1	Safety rules for the construction and installation of lifts, part 1: Electric lifts
81-2	Safety rules for the construction and installation of lifts, part 2: Hydraulic lifts
81-80	Safety rules for the construction and installation of lifts – existing lifts – Part 80: Rules for the improvement of safety of existing passenger and good passenger lifts
ISO 140-3	Acoustics - Measurement of sound insulation in buildings and of building elements, Part 3: Laboratory measurements of airborne sound insulation of building elements
179	Building hardware – emergency exit devices operated by a lever handle or push pad – Requirements and test methods
356	Glass in building – security glazing – Testing and classification of resistance against manual attack
357	Glass in building – fire resistant glazed elements with transparent or translucent glass products – Classification of the resistance
358	Personal protective equipment for work positioning and prevention of falls from a height – Belts for work positioning and restraint and work positioning lanyards
362	Personal protective equipment against falls from a height - Connectors

 Relevant standards for glass products and applications


410	Glass in building – determination of luminous and solar characteristics of glazing
572-1	Glass in building – basic soda lime silicate glass products – Part 1: Definitions and general physical and mechanical properties
572-2	Glass in building – basic soda lime silicate glass products – Part 2: Float glass
572-3	Glass in building – basic soda lime silicate glass products – Part 3: Polished wired glass
572-4	Glass in building – basic soda lime silicate glass products – Part 4: Rolled glass
572-5	Glass in building – basic soda lime silicate glass products – Part 5: patterned glass
572-6	Glass in building – basic soda lime silicate glass products – Part 6: Ornamental wired glass
572-7	Glass in building – basic soda lime silicate glass products – Part 7: Wire inlay
572-8	Glass in building – basic soda lime silicate glass products – Part 8: Supplied and final cut sizes
572-9	Glass in building – basic soda lime silicate glass products – Part 9: Evaluation of conformity/product standard
673	Glass in building – Determination of thermal transmittance (U value) – Calculation method
ISO 868	Plastics and ebonite – Determination of indentation hardness by means of a durometer (Shore hardness)
951	Door leaves – Method for measurement of height, width, thickness and squareness
952	Door leaves – general and local flatness – measurement method

 Relevant standards for glass products and applications


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| 1036   | Glass in building – mirrors from silver-coated float glass for internal use   |
| 1063   | Glass in building – Security glazing - Testing and classification of resistance against bullet attack   |
| 1096-1 | Glass in building – coated glass – Part 1: Definitions and classification   |
| 1096-2 | Glass in building – coated glass – Part 2: Requirements and test methods for class A, B and S coatings  |
| 1093-3 | Glass in building – coated glass – Part 3: Requirements and test methods for class C and D coatings   |
| 1096-4 | Glass in building – coated glass – Part 4: Evaluation of conformity/Product standard  |
| 1125   | Building hardware – panic exist devices operated by a horizontal bar – Requirements and test methods  |
| 1153   | Kitchen storage: safety requirements and test methods   |
| 1279-1 | Glass in building – Insulation glass units – Part 1: Generalities, dimensional tolerances and rules for the system description                        |
| 1279-2 | Glass in building – Insulation glass units – Part 2: Long term test method and requirements for moisture penetration                                  |
| 1279-3 | Glass in building – Insulation glass units – Part 3: Long term test method and requirements for gas leakage rate and for gas concentration tolerances |

Relevant standards for glass products and applications


- 1279-4 Glass in building – Insulation glass units – Part 4: Methods of test for the physical attributes of edge seats
- 1279-5 Glass in building – Insulation glass units – Part 5: Evaluation of conformity
- 1279-6 Glass in building – Insulation glass units – Part 6: Factory production control and periodic tests
- 1288-1 Glass in building – Determination of the bending strength of glass – Part 1: Fundamentals of testing glass
- 1288-2 Glass in building – Determination of the bending strength of glass – Part 2: coaxial double ring test on flat specimens with large test surface areas
- 1288-3 Glass in building – Determination of the bending strength of glass – Part 3: Test with specimen supported at two points (four point bending)
- 1288-4 Glass in building – Determination of the bending strength of glass – Part 4: Testing of channel shaped glass
- 1288-5 Glass in building – Determination of the bending strength of glass – Part 5: Coaxial double ring test on flat specimens with small test surface areas
- 1364-1 Fire resistance tests for non-loadbearing elements, Part 1: Walls
- 1529 Door leaves – Height, width, sickness and squareness – Tolerance classes

 Relevant standards for glass products and applications

1530	Door leaves – General and local flatness – Tolerance classes
1748-1-2	Glass in building – special basic products – Borosilicate glasses – Part 1-2: Evaluation of conformity/Product standard
1748-2-2	Glass in building – special basic products - Part 2-2: Evaluation of conformity
1863-1	Glass in building – Heat strengthened soda lime silicate glass – Part 1: Definition and description
1863-2	see DIN EN 1863-2
1990	Eurocode – basis of structural design
1991-1-3	Eurocode 1 – Actions on structures – Part 1-3: General actions – Snow loads
1991-1-4	Eurocode 1 – Actions on structures – Part 1-3: General actions – Wind actions
ISO 7437	Technical drawings – construction drawings – General rules for execution of production drawings for prefabricated structural components
ISO 9047	Building construction – Jointing products – Determination of adhesion/cohesion properties of sealants at variable temperature
ISO 10077-1	Thermal performance of windows, doors and shutters - Calculation of thermal transmittance – Part 1: General
10077-2	Thermal performance of windows, doors and shutters - Calculation of thermal transmittance – Part 1: Numerical method for frames
10204	Metallic products – Types of inspection documents

 Relevant standards for glass products and applications


- 10213-1 Technical delivery conditions for steel castings for pressure purposes – part 1: General
- ISO 10545-7 Ceramic tiles –Part 7: Determination of resistance to surface abrasion for glazed tiles
- 12150-1 Glass in building, Thermally toughened soda lime silicate safety glass, part 1: definition and description
- 12150-2 Glass in building, Thermally toughened soda lime silicate safety glass, part 2: Evaluation of conformity/Product standard
- 12195-2 Load restraint assemblies on road vehicles – Safety – part 2: Web lashing made from man-made fibres
- 12195-3 Load restraint assemblies on road vehicles – Safety – part 3: Lashing chains
- 12207 Windows and doors – Air permeability - Classification
- 12208 Windows and doors – Watertightness - Classification
- 12209 Building hardware – Locks and latches – Mechanically operated locks, latches and locking plates – Requirements and test methods
- 12337-1 Glass in building – Chemically strengthened soda lime silicate glass – Part 1: Definition and description
- 12337-2 Glass in building – Chemically strengthened soda lime silicate glass – Part 2: Evaluation of conformity

 Relevant standards for glass products and applications

- 12488            Glazing guidelines, glazing systems and requirements on glazing
- ISO 12543-1    Glass in building – Laminated glass and laminated safety glass – Part 1: definitions and description of component parts
- ISO 12543-2    Glass in building – Laminated glass and laminated safety glass – Part 2: Laminated safety glass
- ISO 12543-3    Glass in building – Laminated glass and laminated safety glass – Part 3: Laminated glass
- ISO 12543-4    Glass in building – Laminated glass and laminated safety glass – Part 4: Test methods for durability
- ISO 12543-5    Glass in building – Laminated glass and laminated safety glass – Part 5: Dimensions and edge finishing
- ISO 12543-6    Glass in building – Laminated glass and laminated safety glass – Part 6: Appearance
- 12600            Glass in building – Pendulum test – Impact test method and classification method for flat glass
- 12603            Glass in building – Procedure for goodness of fit and confidence intervals for Weibull distributed glass strength data
- 12758            Glass in building – Glazing and airborne sound insulation – Product descriptions and determination of properties
- 12898            Glass in building – determination of the emissivity
- 13022-1        Glass in building – Structural sealant glazing – Part 1: Glass products for structural sealant

Relevant standards for glass products and applications

- glazing systems for supported and unsupported monolithic and multiple glazing
- 13022-2 Glass in building – Structural sealant glazing – Part 2: Assembly rules
- 13022-3 Glass in building – Structural sealant glazing – Part 3: Glazing guidelines
- 13024-1 Glass in building – Thermally toughened borosilicate safety glass – part 1: Definition and description
- 13024-2 Glass in building – Thermally toughened borosilicate safety glass – part 2: Evaluation of conformity/Product standard
- 13363-1 Solar protection devices combined with glazing – Calculation of solar and light transmittance – Part 1: Simplified method
- 13363-2 Solar protection devices combined with glazing – Calculation of solar and light transmittance – Part 2: Detailed calculation method
- 13432 Packaging – Requirements for packaging recoverable through composting and biodegradation – Test scheme and evaluation criteria for the final acceptance of packaging
- 13501-1 Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests
- 13501-2 Fire classification of construction products and building elements – Part 3: Classification using data from reaction to fire resistance tests, excluding ventilation services

 Relevant standards for glass products and applications

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| 13541   | Glass in building – Security glazing – testing and classification of resistance against explosion pressure (see DIN EN 13541)  |
| 13830   | Curtain walling – Product standard   |
| 14178-1 | Glass in building - Basic alkaline earth silicate glass products – Part 1: Float glass   |
| 14178-2 | Glass in building - Basic alkaline earth silicate glass products – Part 2: Evaluation of conformity/product standard   |
| 14179-1 | Glass in building - Heat soaked thermally toughened soda lime silicate safety glass - Part 1: Definition and description   |
| 14179-2 | Glass in building - Heat soaked thermally toughened soda lime silicate safety glass - Part 2: Evaluation of conformity/product standards   |
| 14072   | Glass in furniture – Test methods  |
| 14321-1 | Glass in building - Thermally toughened alkaline earth silicate safety glass – Part 1: Definition and description  |
| 14428   | Shower enclosures – Functional requirements and test methods   |
| 14449   | Glass in building – Laminated glass and laminated safety glass – Evaluation of conformity/Product standard   |
| 15434   | Glass in building – Product standard for structural and/or ultra-violet resistant sealant (for use with structural sealant glazing and/or insulating glass units with exposed seals) |

Relevant standards for glass products and applications

## **ETAG – Guideline for European technical approval**

- 1 Structural sealant glazing system, Part 1: supported and unsupported systems
- 2 Structural sealant glazing system, Part 2: coated aluminium systems
- 6 Metal fixing for anchoring to concrete