

CEN TC 250 WG 3 – Eurocode Structural glass
 Danish Mirror Committee [DS/S 1990 Eurocode Last og Sikkerhed](#)
 Danish Eurocode platform www.Eurocodes.dk

Executive summary

Standardisation for glass in structural applications is motivated by the expanding use of glass as semi-structural and load-bearing components of constructions and by the lack of a European-wide set of design rules. Standardisation will respond to the need of European citizens for safety of structures manufactured of glass and will improve the competitiveness of the European construction industry world-wide.

Aspects related to structural glass that require further research include:

- durability;
- supports and connections;
- wind and extreme/sustained loading conditions;
- use of glass with other materials, e.g. steel and glass composite elements.

See, Directorate General Enterprise and Industry (DG ENTR) of the European Commission JRC info [here](#)

Business plan

----- Under Construction -----

Technical body structure

Secretariat	Secretary name	Convenor
DIN Burggrafenstraße 6 10787 Berlin www.DIN.de	Name ????????????????	Gerhard Sedlacek Lehrstuhl für Stahlbau und Leichtmetallbau – Aachen-Germany sed@stb.rwth-aachen.de
NSB	Name - nominated members	Company
BSI	Graham Dood	Arup (UK)
BSI	Tim Morgan	Flat Glass Marketing Association (US)
SIA	Daniel Meyer	Dr. Lüchinger + Meyer Bauingenieure AG (CH)
ON	Jurgen Neugebauer	Joanneum Research Center (AT)
ON	Henz Pfefferkom	Test Laboratory (AT)
DS	Jesper Skaarup	Atkins - engineering and design consultancies (DK)
DS	Casper Hardegard	Glazing Guild in Denmark (DK)
DS	Morten Jul Laeggard	Danish Technological Institute (DK)
NBN	Gauthier Zamati	CSTC - Centre Scientifique et Technique de la Construction (BE)
NBN	Jan Belis	University Gent (BE)
NBN	Michel Dubru	FIV - Federation of the Glass Industry (BE)
ILNAS	Christoph Odenbreit	??? (Lux)
NEN	R.A.A Kruijs	Glasimpex Schiedam B.V. (NL)
AFNOR	Mohammed Hjjaj	"Institut National des Sciences Appliquées" of Rennes (FR)
LNEC	Paulo Jorge de Souza Cruz	School of Architecture (PT)

WG member meetings (NONE ????)

Date	Where	Type of meeting

Document handling DIN LiveLink ?????? when ??????

Supporting reports etc.
JRC Report. 2007: Purpose and justification for new design standards regarding the use of glass products in civil engineering works DOWNLOAD here
http://www.ds.dk/da-DK/Omraader/Eurocodes/New/Documents/CEN_TC_250-N802_rev1.pdf
CEN TC 250 N 802 CEN TC 250 White-book April 09.pdf
CEN TC 250 N 848 Programming Mandate M 466 addressed to CEN.pdf
CEN TC 250 N 849 Draft Project Proposal for Glass Structures - GS.pdf
CEN TC 250 N 888 Presentation on structural glass - Nov 10 - GS.pdf

Work Programme - Standards under development (work started, drafts issued)					
WI	Project reference	Title	Candidate citation in OJEU	Current status	DAV
?????	EN 20XX	Eurocode ?: Design of glass structures - Part 1-1: General rules and rules for buildings	No	Development	?????
Work Programme – Published standards					
WI	Project reference	Title	Candidate citation in OJEU	Current status	DAV

Other standardization areas - references		
Product Specifications	Structural design rules	Execution rules
CEN/TC 129	CEN/TC 250	CEN/TC 129 CEN/TC135 CEN/TC 250
Product Standards Testing Standards	EN 1990 – Basis of Structural Design EN 1991 – Actions on structures	

Standarder med relation til de mekaniske egenskaber ved planglas og beregning af planglas konstruktioner
(Standards related to the mechanical properties of glass and calculation of glass constructions)

DS / Eurocode / ISO	Nr.	År	Emne	N
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UDSENDTE GODKENDTE NORMER OG STANDARDER:

DS	EN	1063	2000	Security glazing – Testing and classification of resistance against bullet attack
DS	EN	12600	2003	Pendulum test - Impact test method for flat glass and classification
DS	EN	12603	2003	Procedures for goodness of fit and confidence intervals for Weibull distributed data
DS	EN	13541	2001	Security glazing – Testing and classification of resistance against explosion pressure
DS	EN	14449	2005	Laminated glass and laminated safety glass – Evaluation of conformity/Product standard + corrigendum 2005 (A.3.2 use of proxytesting)
	EN	15434	2006	Product standard for structural and/or ultra-violet resistant sealant (for use with structural sealant glazing and/or insulating glass units with exposed seals)
DS	EN	12150-1	2004	Thermally toughened soda lime silicate safety glass - Part 1: Definition and description
DS	EN	12150-2	2004	Thermally toughened soda lime silicate safety glass – Part 2: Evaluation of conformity/Product standard
DS	EN	12337-1	2001	Chemically strengthened soda lime silicate glass - Part 1: Definition and description p.2
DS	EN	12337-2	2004	Chemically strengthened soda lime silicate glass – Part 2: Evaluation of conformity/Product standard
DS	EN	ISO 12543 1-6	1998	6 parts on laminated glass
DS	EN	ISO 12543-2/A1	2004	amendment regarding pendulum test
DS	EN	1288 1-5	2001	Documents on mechanical strength measurement methods
DS	EN	13022-1	2006	Structural sealant glazing – Part 1: Glass products for structural sealant glazing systems - Supported and unsupported monolithic and multiple glazing
DS	EN	13022-2	2006	Structural sealant glazing – Part 2: Assembly rules
DS	EN	13024-1	2002	Thermally toughened borosilicate safety glass – part 1: Definition and description
DS	EN	13024-2	2004	Thermally toughened borosilicate safety glass – Part 2: Evaluation of conformity/Product standard
DS	EN	14178-1	2004	Basic alkaline earth silicate glass products – Part 1: Float glass

DS / Eurocode / ISO		Nr.	År	Emne	Note
DS	EN	14178-2	2004	Basic alkaline earth silicate glass products – Part 2: Evaluation of conformity/Product standard	
DS	EN	14179-1	2005	Heat soaked thermally toughened soda lime silicate safety glass - Part 1: Definition and description	
			Note 1):	Forslag udsendt som: DSF/prEN ISO 12543-X	
			Note 2):	Forslag udsendt som: DSF/prEN 1288-X:2007	
DS	EN	14179-2	2005	Heat soaked thermally toughened soda lime silicate safety glass – Part 2: Evaluation of conformity/Product standard	
DS	EN	14179-2/ZA	2007	Heat soaked thermally toughened soda lime silicate safety glass – Part 2: Evaluation of conformity/Product standard	
DS	EN	14321-1	2005	Thermally toughened alkaline earth silicate safety glass – Part 1: Definition and description	
DS	EN	14321-2	2005	Thermally toughened alkaline earth silicate safety glass – Part 2: Evaluation of conformity/Product standard	
DS	EN	15254-4	2008	Extended application of results form fire resistance test - Non-bearing walls - part 4: Glazed constructions.	
DS	EN	1748-1-1	2004	Special basic products - Borosilicate glasses - Part 1 - 1: Definition and general physical and mechanical properties - revision	
DS	EN	1748-1-2	2004	Special basic products – Borosilicate glasses - Part 1-2: Evaluation of conformity/Product standard	
DS	EN	1748-2-1	2004	Special basic products - Glass ceramics - Part 2 - 1: Definition and general physical and mechanical properties - revision	
DS	EN	1748-2-2	2004	Special basic products – Glass ceramics - Part 2-2: Evaluation of conformity/Product standard	
DS	EN	1863-1	2000	Heat strengthened soda lime silicate glass - Part 1: Definition and description	
DS	EN	1863-2	2004	Heat-strengthened soda lime silicate glass – Part 2: Evaluation of conformity/Product standard	
DS	EN	356	2002	Security glazing - Testing and classification of resistance against manual attack	
DS	EN	357	2004	Fire resistant glazed assemblies with transparent or translucent glass products - Classification of fire resistance: revision	
DS	EN	572-1	2004	Basic soda lime silicate glass products - Part 1: Definitions and general physical and mechanical properties - revision	
DS	EN	572-2	2004	Basic soda lime silicate glass products - Part 2: Float glass - revision	
DS	EN	572-3	2004	Basic soda lime silicate glass products - Part 3: Polished wired glass - revision	
DS	EN	572-4	2004	Basic soda lime silicate glass products - Part 4: Drawn sheet glass - revision	
DS	EN	572-5	2004	Basic soda lime silicate glass products - Part 5: Patterned glass - revision	

DS / Eurocode / ISO	Nr.	År	Emne	Note
DS EN	572-6	2004	Basic soda lime silicate glass products - Part 6: Wired patterned glass - revision	
DS EN	572-7	2004	Basic soda lime silicate glass products - Part 7: Wired or unwired channel shaped glass - revision	
DS EN	572-8	2004	Basic soda lime silicate glass products - Part 8: Supplied and final cut sizes	
DS EN	572-9	2004	Basic soda lime silicate glass products - Part 9: Evaluation of conformity/Product standard	
DS/INF	119	2007	Bygningsglas - Retningslinjer for valg og anvendelse af sikkerhedsglas - personsikkerhed	

FORSLAG TIL STANDARDER UDSENDT AF CEN/TC 129 "GLASS IN BUILDING"

FAILED FORMAL VOTE

prEN 12488 Glazing requirements – Assembly rules

END OF PARALLEL ENQUIRY – COMMENTS AVAILABLE

DSF prEN ISO 1288 1-5 (documents on mechanical strength measurement methods): revision

AMENDMENT OF ENGLISH VERSION AFTER ENQUIRY

prEN 13474-1	1999	Design of glass panes – Part 1: General basis for design - deleted WI
prEN 13474-3	2003	Design of glass panes – Part 3: Design for line and concentrated loads -

AVAILABLE CEN ENQUIRY VOTING REPORTS

DSF prEN 15681-1	2007	Basic alumino silicate glass products – Part 1: Definitions and general physical and mechanical properties
DSF prEN 15681-2	2007	Basic alumino silicate glass products – Part 2: Evaluation of conformity/Product Standard
DSF prEN 15682-1	2007	Heat soaked thermally toughened alkaline earth silicate safety glass - Part 1: Definition and description
DSF prEN 15682-2	2007	Glass in building - Heat soaked thermally toughened alkaline earth silicate safety glass - Part 2: Evaluation of conformity/Product standard
DSF prEN 15683-1	2007	Thermally toughened soda lime silicate channel shaped safety glass - Part 1: Definition and description
DSF prEN 15683-2	2007	Glass in building - Thermally toughened soda lime silicate channel shaped safety glass - Part 2: Evaluation of conformity/Product standard

AT CEN ENQUIRY

DSF prEN 15752-1	2008	Adhesive backed polymeric film - Part 1: Definitions and descriptions p.2
DSF prEN 15755-1	2008	Adhesively backed polymeric filmed glass - Part 1: definitions and descriptions

SEEKING CEN TC 129 APPROVAL TO LAUNCH AMENDMENTS ON

DS / Eurocode / ISO	Nr.	År	Emne	Note
EN	13022-1		Structural sealant glazing – Part 1: Glass products for structural sealant glazing systems - Supported and unsupported monolithic and multiple glazing	
EN	13022-2		Structural sealant glazing – Part 2: Assembly rules	
EN	15434		Product standard for structural and/or ultra-violet resistant sealant (for use with structural sealant glazing and/or insulating glass units with exposed seals)	
EXISTING DRAFT OR DISCUSSED IN WORKING GROUPS				
prEN	13474-2	2000	Design of glass panes – Part 2: Design for uniformly distributed loads	
	WI ??		Thermal stress design	
	WI ??		Assembly rules for sloping glazing	
	WI ??		Adhesive-backed polymeric filmed glass – Product standard: Part 2	
	WI ??		Adhesive backed polymeric film - Product standard: Part 2	
WORK ITEMS DELETED BY CEN TC 129				
prEN	357-2		Part 2 of fire standard	
	WI 00129022		Test for overhead glazing	
FORSLAG FRA CEN TC 250 "STRUCTURAL EUROCODES"				
	Doc. N657	2005	Background document, Application of Eurocode family for the design og glass in buildings.	
	Doc. N658	2005	Proposal for the content of new Eurocode on design of glass structures. Part 1: Basis of design, Design of glass panes.	