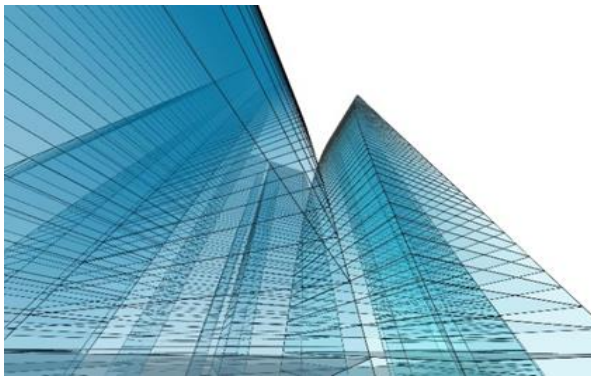
EUROCODES

Structural Eurocodes are “the rules for basis of design, actions on structures, geotechnical design as well as structural design rules for the use of all the major materials i.e. concrete, steel, composite steel and concrete, timber, masonry, and aluminum.”

(Source: CEN - Business Plan_V9 - CEN/TC 250 - July 2020)



MAIN TECHNICAL COMMITTEES ON EUROCODES STANDARDIZATION

- European level -

➢ CEN/TC 250 – Structural Eurocodes

Standards	140	Projects	73	National delegates	25

Scope

Standardization of structural and geotechnical design rules for building and civil engineering works taking into account the relationship between design rules and the assumptions to be made for materials, execution and control.

5 Working Groups under TC

WG 2	Structural glued wood products	WG 7	Connections and assemblies
WG 10	Characteristic values and design specifications	WG 11	Solid and mechanically laminated timber products
WG 12	Structural use of bamboo		

11 Sub-Committees (with Working Groups)

SC 1	Eurocode 1: Actions on structures (7 WG)	SC 2	Eurocode 2: Design of concrete structures (2 WG)
SC 3	Eurocode 3: Design of steel structures (21 WG)	SC 4	Eurocode 4: Design of composite steel and concrete structures (1 WG)
SC 5	Eurocode 5: Design of timber structures (10 WG)	SC 6	Eurocode 6: Design of masonry structures (4 WG)
SC 7	Eurocode 7: Geotechnical design (1 WG)	SC 8	Eurocode 8: Earthquake resistance design of structures (7 WG)
SC 9	Eurocode 9: Design of aluminium structures (3 WG)	SC 10	EN 1990 Basis of structural design (3WG)
SC 11	Structural Glass (1 WG)		

- National level -

➢ ILNAS/TC 100 – Eurocodes “STAND-BY”

Standards	58	Projects	0	National delegates	0

Scope

National Annexes for structural Eurocodes.

MAIN STANDARDS ON EUROCODES

Eurocode 1 - Actions on structures	
EN 1991-1-1:2002	Part 1-1: General actions - Densities, self-weight, imposed loads for buildings - *Technical Corrigendum in 2009*
EN 1991-1-2:2002	Part 1-2: General actions - Actions on structures exposed to fire - *Technical Corrigendum in 2013*
EN 1991-1-3:2003	Part 1-3: General actions - Snow loads *Technical Corrigendum in 2009; Amended in 2015*
EN 1991-1-4:2005	Part 1-4: General actions - Wind actions *Technical Corrigendum in 2010; Amended in 2010*
EN 1991-1-5:2003	Part 1-5: General actions - Thermal actions *Technical Corrigendum in 2009*
EN 1991-1-6:2005	Part 1-6: General actions - Actions during execution - *Technical Corrigendum in 2013*
EN 1991-1-7:2006	Part 1-7: General actions - Accidental actions *Technical Corrigendum in 2010; Amended in 2014*
EN 1991-2:2003	Part 2: Traffic loads on bridges *Technical Corrigendum in 2010*
EN 1991-3:2006	Part 3: Actions induced by cranes and machinery *Technical Corrigendum in 2012*
EN 1991-4:2006	Part 4: Silos and tanks *Technical Corrigendum in 2012*
CEN/TR 17231:2018	Traffic Loads on Bridges - Track-Bridge Interaction
Eurocode 2 - Design of concrete structure	
EN 1992-1-1:2004	Part 1-1: General rules and rules for buildings *Technical Corrigendum in 2010; Amended in 2014*
EN 1992-1-2:2004	Part 1-2: General rules - Structural fire design *Technical Corrigendum in 2008; Amended in 2019*
EN 1992-2:2005	Concrete bridges - Design and detailing rules *Technical Corrigendum in 2008*
EN 1992-3:2006	Part 3: Liquid retaining and containment structures
EN 1992-4:2018	Part 4: Design of fastenings for use in concrete
Design of fastenings for use in concrete	
CEN/TR 17079:2018	Redundant non-structural systems
CEN/TR 17080:2018	Anchor channels - Supplementary rules
CEN/TR 17081:2018	Plastic design of fastenings with headed and post-installed fasteners
Eurocode 3 - Design of steel structures	
EN 1993-1-1:2022	Part 1-1: General rules and rules for buildings *Technical Corrigendum in 2009; Amended in 2014*
EN 1993-1-2:2005	Part 1-2: General rules - Structural fire design *Technical Corrigendum in 2009*
EN 1993-1-3:2006	Part 1-3: General rules - Supplementary rules for cold-formed members and sheeting *Technical Corrigendum in 2009*
EN 1993-1-4:2006	Part 1-4: General rules - Supplementary rules for stainless steels - *Amended in 2015 & 2020*
EN 1993-1-5:2006	Part 1-5: Plated structural elements - *Technical Corrigendum in 2009; Amended in 2017 & 2019*
EN 1993-1-6:2007	Part 1-6: Strength and Stability of Shell Structures *Technical Corrigendum in 2009; Amended in 2017*
EN 1993-1-7:2007	Part 1-7: Plated structures subject to out of plane loading - *Technical Corrigendum in 2009*
EN 1993-1-8:2005	Part 1-8: Design of joints - *Technical Corrigendum in 2009*
EN 1993-1-9:2005	Part 1-9: Fatigue - *Technical Corrigendum in 2009*
EN 1993-1-10:2005	Part 1-10: Material toughness and through-thickness properties - *Technical Corrigendum in 2009*
EN 1993-1-11:2006	Part 1-11: Design of structures with tension components - *Technical Corrigendum in 2009*
EN 1993-1-12:2007	Part 1-12: Additional rules for the extension of EN 1993 up to steel grades S 700 - *Technical Corrigendum in 2009*
CEN/TS 1993-1-101: 2022	Part 1-101: Alternative interaction method for members in bending and compression
EN 1993-2:2006	Part 2: Steel Bridges - *Technical Corrigendum in 2009*
EN 1993-3-1:2006	Part 3-1: Towers, masts and chimneys - Towers and masts - *Technical Corrigendum in 2009*
EN 1993-3-2:2006	Part 3-2: Towers, masts and chimneys - Chimneys
EN 1993-4-1:2007	Part 4-1: Silos *Technical Corrigendum in 2009; Amended in 2017*
EN 1993-4-2:2007	Part 4-2: Tanks *Technical Corrigendum in 2009; Amended in 2017*
EN 1993-5:2007	Part 5: Piling - *Technical Corrigendum in 2009*
EN 1993-6:2007	Part 6: Crane supporting structures *Technical Corrigendum in 2009*
Eurocode 4 - Design of composite steel & concrete structures	
EN 1994-1-1:2004	Part 1-1: General rules and rules for buildings *Technical Corrigendum in 2009*
EN 1994-1-2:2005	Part 1-2: General rules - Structural fire design *Technical Corrigendum in 2008; Amended in 2014*
EN 1994-2:2005	Part 2: General rules and rules for bridges *Technical Corrigendum in 2008*
Eurocode 5 - Design of timber structures	
EN 1995-1-1:2004	Part 1-1: General - Common rules and rules for buildings - *Technical Corrigendum in 2006; Amended in 2008 & 2014*
EN 1995-1-2:2004	Part 1-2: General - Structural fire design *Technical Corrigendum in 2009*
EN 1995-2:2004	Part 2: Bridges
CEN/TS 19103:2021	Structural design of timber-concrete composite structures - Common rules and rules for buildings
Eurocode 6 - Design of masonry structures	
EN 1996-1-1:2022	Part 1-1: General rules for reinforced and unreinforced masonry structures
EN 1996-1-2:2005	Part 1-2: General rules - Structural fire design *Technical Corrigendum in 2010*
EN 1996-2:2006	Part 2: Design considerations, selection of materials and execution of masonry - *Technical Corrigendum in 2009*
EN 1996-3:2006	Part 3: Simplified calculation methods for unreinforced masonry structures - *Technical Corrigendum in 2009*
Eurocode 7 - Geotechnical design	
EN 1997-1:2004	Part 1: General rules *Technical Corrigendum in 2009; Amended in 2013*
EN 1997-2:2007	Part 2: Ground investigation and testing *Technical Corrigendum in 2010*
Eurocode 8 - Design of structures for earthquake resistance	
EN 1998-1:2004	Part 1: General rules, seismic actions and rules for buildings *Technical Corrigendum in 2009; Amended in 2013*
EN 1998-2:2005	Part 2: Bridges - *Technical Corrigendum in 2010; Amended in 2009 & 2011*
EN 1998-3:2005	Part 3: Assessment and retrofitting of buildings *Technical Corrigendum in 2013*
EN 1998-4:2006	Part 4: Silos, tanks and pipelines
EN 1998-5:2004	Part 5: Foundations, retaining structures and geotechnical aspects
EN 1998-6:2005	Part 6: Towers, masts and chimneys
Eurocode 9 - Design of aluminium structures	
EN 1999-1-1:2007	Part 1-1: General structural rules *Amended in 2009 & 2013*
EN 1999-1-2:2007	Part 1-2: Structural fire design *Technical Corrigendum in 2009*
EN 1999-1-3:2007	Part 1-3: Structures susceptible to fatigue *Amended in 2011*
EN 1999-1-4:2007	Part 1-4: Cold-formed structural sheeting *Technical Corrigendum in 2009; Amended in 2011*
EN 1999-1-5:2007	Part 1-5: Shell structures *Technical Corrigendum in 2009*
Design of glass structures	
CEN/TS 19100-1: 2021	Part 1: Basis of design and materials
CEN/TS 19100-2: 2021	Part 2: Design of out-of-plane loaded glass components
CEN/TS 19100-3: 2021	Part 3: Design of in-plane loaded glass components and their mechanical joints
Others Eurocodes	
EN 1990:2002	EN 1990 Basis of structural design *Technical Corrigendum in 2010; Amended in 2005*
EN 13391:2004	Mechanical tests for post-tensioning systems
CEN/TS 17440:2020	Assessment and retrofitting of existing structures
CEN/TS 19101:2022	Design of fibre-polymer composite structures
58 national annexes	
ILNAS-EN 1990-EN 1999//AN-LU:2011	41 annexes revised in 2011
ILNAS-EN 1990-EN 1999//AN-LU:2020	17 annexes revised in 2020

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