

# Eurocodes Overview in the FRILO-applications

List of implemented Eurocodes with National Annex

Release R-2018-1-INTERNATIONAL

Application name	Short name	DIN EN	ÖNORM EN	BS EN	UNI EN / NTC
<b>EN 1991-1-3 - Snow loads</b>					
Wind and Snow Loads	LWS	2010	2013	2007	2008
Hip Rafter / Valley Rafter	DGK	2010	2013	2007	2008
Collar and Articulated Purlins	D7+	2013	2013		
Continuous Rafter	D9	2010	2013	2007	2008
Glued Laminated Girder	D10	2010	2013	2007	2008
Purlin and Rafter Roof	D11	2010	2013	2007	2008
Collar Beam Roof	D12	2010	2013	2007	2008
<b>EN 1991-1-4 - Wind loads</b>					
Building Model	GEO	2010	2013	2011	
Wind and Snow Loads	LWS	2010	2013	2011	
Hip Rafter / Valley Rafter	DGK	2010	2013	2011	2008
Collar and Articulated Purlins	D7+	2010	2013	2011	2008
Continuous Rafter	D9	2010	2013	2011	2008
Glued Laminated Girder	D10	2010	2013	2011	2008
Purlin and Rafter Roof	D11	2010	2013	2011	2008
Collar Beam Roof	D12	2010	2013	2011	2008
<b>EN 1992 - Reinforced concrete</b>					
Building Model	GEO	2015	2011	2015	2008
Continuous Beam	DLT	2015	2011	2015	2008
Plates by Finite Elements	PLT	2015	2011	2015	2008
Panels by Finite Elements	SCN	2015	2011	2015	2008
Reinforced Concrete Design	B2	2015	2011	2015	2008
Reinforced Concrete Column	B5	2015	2011	2015	2008
Punching Shear Analysis	B6+	2015	2011	2015	
Flight of Stairs	B7+	2015	2011	2015	
Pre-stressed Concrete Girder	B8	2015	2011	2015	
Reinforced Concrete Corbel	B9	2015	2011	2015	2008
Reinforced Concrete Half Joint	B10	2015	2011	2015	2008
Crack Width Verification	B11	2015	2011	2015	
Isolated Foundation+	FD+	2015	2011	2015	
Pad Foundation	FDB+	2015	2011	2015	
Reinforced Raft Foundation	FDR+	2015	2011	2015	
Strip Foundation	FDS+	2015	2011	2015	
Cantilevered Retaining Wall	WSM+	2015	2011		
Framework	ESK/RS	2015	2011	2015	
Tunnel Frame	TEB	2015	2011	2015	2008

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<b>EN 1993 - Steel</b>					
Building Model	GEO	2007	2007	2008	
Continuous Beam	DLT	2010	2007	2008	
Single-span Steel Column	STS+	2010	2007	2008	
Single-span Steel Beam	STT+	2010	2007	2008	
Steel Column Base	ST3	2010	2007		
Steel Girder Support	ST4	2010	2007	2006	
Weld Desing	ST5	2010	2007		
Pocketed Steel Column Base	ST6	2010	2007	2008	
Steel Section Design	ST7	✓	✓		
Standardized Connections DSTV	ST8	✓			
Bolted Steel Connection	ST9	✓	✓		
Bolted Beam-to-Column Connection	ST10	✓	✓		
Welded Beam-to-Column Connection	ST14	✓	✓		
Base Flange	ST15				
Stability analysis for steel	STX+	2010	2007	2008	
Portal Frame	S7+	2010	2007		
Steel Chimney Design	S8				
Crane Runway Girder	S9+	2010	2007	2008	
Antenna Mast Design	ATB				
Lateral Torsional Buckling Analysis	BTII+	2010	2007	2008	
Plate Buckling	PLII+	2010	2008	2008	
Framework	ESK/RS	2010	2007	2008	
Lattice Timber/Steel Girder	FWT				
<b>EN 1994 - Composite steel and concrete structures</b>					
Composite Column	V1				
Composite Beam	V3	2010	2009	2008	
<b>EN 1995 - Timber structures</b>					
Continuous Beam	DLT	2013	2015	2012	2008
Timber Column	HO1+	2013	2015	2012	2008
Skew Notch Joint	HO2+	2013	2015	2012	2008
Timber Tension Joint	HO3+	2013	2015	2012	2008
Frame Corner	HO6	2013	2015	2012	
Timber Beam	HO7	2013	2015	2012	2008
Timber Design	HO11+	2013	2015	2012	2008
Timber Construction Details	HO12	2013	2015	2012	
Timber Joint	HO13+	2013	2015	2012	2008
Single Fastener Timber Joint	HO14+	2013	2015	2012	2008
Timber Wall Diaphragms	HTW+	2013	2015	2012	2008
Lattice Girder Timber/Steel	FWT	2013	2015	2012	
<b>EN 1996 - Masonry structures</b>					
Hip Rafter / Valley Rafter	DGK	2013	2015	2012	2008
Collar and Articulated Purlins	D7+	2013	2015		
Continuous Rafter	D9	2013	2015	2012	2008
Glued Laminated Girder	D10	2013	2015	2012	2008
Purlin and Rafter Roof	D11	2013	2015	2012	2008
Collar Beam Roof	D12	2013	2015	2012	2008
Framework	ESK/RS	2013	2015	2012	

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<b>EN 1996 - Masonry</b>					
Multi-storey Masonry Wall	MWM	2015	2009	2007	
Basement Masonry Wall	MWK	2015	2009	2007	
Masonry Column	MWP	2015	2009	2007	
Masonry Design	MWX	2015	2009	2007	
<b>EN 1997 - Geotechnical structures</b>					
Isolated Foundation	FD+	2010	2013	2014	
Pad Foundation	FDB+	2010	2013	2014	
Reinforced Raft Foundation	FDR+	2010	2013	2014	
Strip Foundation	FDS+	2010	2013	2014	
Slope Failure Analysis	BBR	2009	2007	2007	
Cantilevered Retaining Wall	WSM+	2010	2013		
<b>EN 1998 - Earthquake resistance</b>					
Building Model	GEO	2011	2011		
<b>EN 1999 - Aluminum</b>					
Framework	ESK/RS	2010		2010	
Continuous Beam	DLT	2010		2010	

Remark: The specified date refers to the implemented version of the National Annex of the program.

In the FRILO user interface a simplified shorthand is used for the National Annex.

This name corresponds to a design code-compliant long text (National Annex) in the FRILO text output.

Country - example timber	Version	NA user interface (short)	NA text output (long)
Germany	2013	DIN EN 1995:2013	DIN EN 1995-1-1/NA:2013-08
Austria	2015	ÖNORM EN 1995:2015	ÖNORM B 1995-1-1:2015-06
United Kingdom	2012	BS EN 1995:2012	NA to BS EN 1995-1-1/A2:2012
Italy	2008	NTC EN 1995:2008	UNI EN 1995-1-1/NTC:2008