Dancert

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Ready for CE marking of Timber and Wood-based products ?

Please find in the following guidance for your product(s) regarding what to do to be ready for CE marking according to the EU Construction Product Directive. (89/106/CE).

Furthermore, this document gives links to some relevant internet web sites.

STEP 1: PRODUCT

Find your product from the following table and select the standard, the attestation of conformity level (**AoC**) and the start of the co-existence period.

Table 1. Road map to CE PRODUCT	**Harmonised EN standard or ETAG**	**AoC level**
Wood-based panels	**EN 13986**	**1,2+3,4**
Timber structures - Glued laminated timber	**EN 14080**	**1**
Timber structures - Strength graded structural timber with rectangular cross section - General requirements	**EN 14081-1**	**2+**
Timber structures - Strength graded structural timber with rectangular cross section - Machine Grading	**EN 14081-2/3/4**	**2+**
Strength graded structural timber with round cross-section	**EN 14544**	**2+**
Product requirements for prefabricated structural members assembled with punched metal plate fasteners	**EN 14250**	**2+**
Wood poles for overhead lines - Requirements	**EN 14229**	**2+**
Timber Structures - Prefabricated wall, floor and roof elements	**EN 14732**	**1**
Timber structures - Structural laminated veneer lumber - Requirements	**EN 14374**	**1**
Timber structures - Fasteners - Requirements	**EN 14592**	**3,4**
Timber structures – Connectors – Requirements	**EN 14545**	**2+3**

Table 1. Road map to CE PRODUCT	**Harmonised EN standard or ETAG**	**AoC level**
Wood-flooring - Characteristics, evaluation of conformity and marking	**EN 14342**	**3, 4**
EN 13226 Wood flooring - Solid parquet elements with grooves and/or tongue	***Included products in EN 14342 Wood flooring***	
EN 13227 Wood flooring - Solid lamparquet products		
EN 13228 Wood flooring - Solid wood overlay flooring elements including blocks with an interlocking system		
EN 13488 Wood flooring - Mosaic parquet elements		
EN 13489 Wooden floors; multilayer parquet elements	***Included products in EN 14342 Wood flooring***	
EN 13629 Flooring – Solid pre-assembled hardwood board		
EN 13990 Wood flooring - Solid softwood floor boards		
EN 14354 Wood-based panels - Wood veneer floor covering		
Solid wood panelling and cladding - Characteristics, evaluation of conformity and marking	EN 14915	**1,3,4**
Roof covering products for discontinuous laying and products for wall cladding - Rigid underlays for discontinuous roofing - Definitions and characteristics	EN 14964	**1, 3, 4**
Finger jointed structural timber - Performance requirements and minimum production requirements	EN 15497	**1**
Light Composite Wood-based Beams and Columns	ETAG 011	**1**
Timber Frame Building Kits	ETAG 007	**1**
Log building kits	ETAG 012	**1**
Three-dimensional. Nailing Plates	ETAG 015	**2+**
Prefabricated Stair Kits	ETAG 008	**1, 2+, 3, 4**

STEP 2: WHAT TO DO

Check it out in the following table by using **your AoC** from table 1 as entrance in the column.

Step	Table 2. Road map to CE WHAT TO DO	System of Attestation of Conformity (AoC)			
		High	Safety		Low
	MANUFACTURER	**1**	**2+**	**3**	**4**
1	Initial Type Testing		✓		✓
2	Factory production control manual (FPC)	✓	✓	✓	✓
3	Factory production control in accordance with FPC manual	✓	✓	✓	✓
4	Internal sampling and FPC testing	✓	✓	✓	✓
5	EC declaration of conformity and accompanying technical documentation (if any)	✓	✓	✓	✓
8	CE marking	✓	✓	✓	✓
	NOTIFIED BODY – one-off service	**1**	**2+**	**3**	**4**
1	Initial Type Testing	✓		✓	
6	Product (and FPC) certification	✓			
6	FPC certification		✓		
7	EC certificate	✓	✓		
	NOTIFIED BODY – continuous service	**1**	**2+**		
9	Inspection	✓	✓		

Do you have all relevant steps ready ?

Example:
Prefabricated trusses assembled with punched metal plate fasteners. Standard EN 14250. The *AoC* = 2+, **then 1, 2, 3, 4 shall be finalised before certification by a notified body (6, 7).**

STEP 3. TIMING

How long time do you think the process lasts. An estimate is given in the following table 3. It is assumed that some of the tasks can be carried out in parallel. But if a notified body has to be involved steps 1, 2, 3 and 4 have to be ready before certification (6).

Step	Table 3. Road map to CE TIMING	TIME Months (number)	Σ months
	MANUFACTURER		
1	Initial Type Testing	1-3	1-3
2	Establishment of Factory production control manual (FPC)	1-3	1-3
3	Implementation of production and factory production control in accordance with FPC manual	1	2-4
4	Internal sampling and FPC testing	1	3-5
5	EC declaration of conformity and accompanying technical documentation (if any)	1	3-5
8	CE marking	1	**3-5**
	NOTIFIED BODY (AoC 1 or 2+)		
6	Product or/and FPC certification	1	3-6
7	EC certificate		**3-6**

STEP 4 HELP Do you need our help to reach the CE goal in time?

Danish Technological Institute is an EU notified (No. 1235) and ISO 17025 accredited test body for the areas in table 1.

Danish Technological Institute's certification and inspection body **Dancert** is an EU notified (No. 1073) and EN 45011, EN 45012 accredited certification body for the areas in table 1.

Contacts

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Please inform us, in which of the above areas you need our help, and then we will prepare an offer and timing plan for you.

Or **phone us**

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We can offer you

CE
Initial Type Testing
A master for a Factory Production Control manual
Product or/and FPC certification
Consultancy services regarding CE procedures and national requirements
Lay-out for CE marking and EC declaration of conformity and accompanying technical documentation

Example. List of Contents. FPC Manual

The master FPC manual has the content as follows. Including actual procedures, instructions and operator records. The contents are based on the EU Guidance Papers B '*The definition of Factory Production Control in Technical Specifications for Construction Products*' and D *' CE Marking under the Construction Products Directive'* from the European Commission 'Enterprise and Industry'.

FPC manual (Quality Handbook)		**Cross Reference**
Section	**Contents**	**Guidance paper B** *Guidance paper D*
1	Introduction	**-**
2	Quality objectives	**-**
3	Organisation and responsibility	**3.1.1, 3.1.1a, b, c**
4	Production site	**-**
5	Personnel	**3.2.1**
6	Quality control system	**3.1.1, 3.1.2, 3.1.2a, 3.2.3**
7	Document management	**3.1.1, 3.1.2**
8	Raw materials, purchase and contract work	**3.1.3a, 3.3**
9	Process management	**3.1.3b**
10	Control, assessment of results and status of test	**3.1.2c,d , 3.1.3b,c, 3.2.2, 3.2.3, 3.2.4, 3.2.5**
11	Management of control results	**3.1.2c, 3.2.3, 3.2.5**
12	Non-conformity products	**3.1.2d, 3.2.3, 3.2.4, 3.2.5**
13	Marking, documents of conformity, delivery documents and traceability	**3.2.2., 3.3** *2, 3, 5,2(11), 5(7)*
14	Handling, storage etc.	**3.1.3c**
15	Corrective actions	**3.1.2d, 3.2.4**
16	Measuring tools	**3.1.3c, 3.2.1**
17	Internal audit	**3.1.2b, 3.1.2d**
18	External audit	**-**

STEP 5 Information - Links

General Danish Technological Institute

CE and Danish Technological Institute

CE and Dancert - Danish Technological Institute

The Construction Products Directive (Council Directive 89/106/CE)

EU Commission - DG Enterprise & Industry

Notified Bodies and Attestation of Conformity

European Committee for Standardization

European Organisation for Technical Approvals