

March 2009


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  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

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

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  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  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

E-mail us Peder.fynholm@teknologisk.dk; Jens.Ljorring@teknologisk.dk;
Thomas.Pehrson@teknologisk.dk

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

Name	Phone
Thomas Pehrson	+ 45 7220 2354
Peder Fynholm	+ 45 7220 2333
Jens Ljørring	+ 45 7220 2326

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](#)