

TEPPFA

CE Marking Guide

**Practical implementation of CE marking
under the CPD for plastics piping systems**

January 2007

Updated version – Jan'07

This is a new and updated version of the ***TEPPFA CE Marking Guide*** issued in January 2005.

New aspects:

- New estimated time schedule for the CE Marking
- Simplified CE Marking with reference to a web site

Content

1. Introduction
2. Why shall we CE mark ?
3. What does CE marking require ?
4. How to prepare CE marking ?
5. Practical advise for CE marking
6. When to start with CE marking ?
7. CE marking samples

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Aim of this Guide

- This guide shall help industry to introduce CE marking with minimised expense by using the already existing tools
- It therefore gives procedural and practical information for the implementation of CE marking
- This guide shall exclusively be used by TEPPFA's company and association members. It shall not be circulated to customers
- Complementary to this guide a TEPPFA flyer is available, giving general information about CE marking

Disclaimer

This presentation was developed by the TEPPFA Task Force CE marking. The content is based on the Construction Products Directive 89/106/EEC, on Guidance Paper D (May 2004) as well as on the harmonised cluster standards drafted by CEN/TC155.

TEPPFA does not guarantee the accuracy, reliability and content of any information provided herein. There are also no warranties as to the result obtained from the use of this information.

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CE Marking

- ⇒ It is **not a mark of origin** (*Made in the EU*)
- ⇒ It is **not a Quality Mark**
- ⇒ CE Marking indicates that the product conforms with one or more applicable **European Directives** (*i.e. CPD*)

Legal Frame

Construction Products Directive CPD 89/106/EEC

Scope:

Removal of technical barriers in the construction field
Free trade of construction products through
European Economic Area (EEA)

Every **construction product** intended to be
placed on the EEA has to fulfil the **Essential
Requirements** of CPD

Construction Products Directive

CPD 89/106/EEC

- ⇒ Everyone who intends to place a **construction product** on the European Economic Area (EEA) has to satisfy the provisions of the CPD
- ⇒ The CE marking symbolises that the characteristics of the product which have an influence on the satisfaction of the **essential requirements** for the works have been assessed
- ⇒ CE marking has a **legal** and **obligatory** character

Essential Requirements

CPD 89/106/EEC

- ⇒ **Mechanical resistance and stability**
- ⇒ **Safety in case of fire**
- ⇒ **Hygiene, health and the environment**
- ⇒ **Safety in use**
- ⇒ **Protection against noise**
- ⇒ **Energy economy and heat retention**

Base documents

to implement the CPD

CEN (European Committee for Standardisation)

⇒ Harmonised European Standard (hEN) with Annex Z (e.g. ZA) of legal character

⇒ EN with harmonised Annex Z (e.g. ZB) of legal character

EOTA (European Organisation for Technical Approvals)

⇒ European Technical Approval (ETA's)

Plastic Pipes and Fittings Situation

CPD (89/106/EEC):

Construction Product Directive

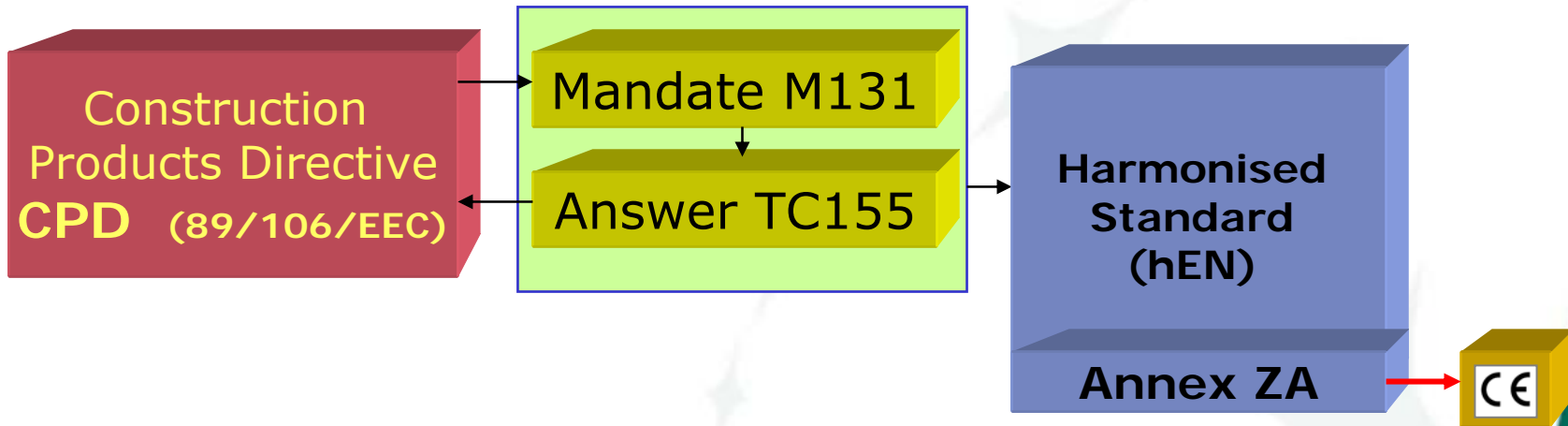
Mandate 131:

*Pipes, tanks and ancillaries **not** in contact with water intended for human consumption*

Harmonised EN:

- *Soil and waste discharge*
- *Non-pressure underground drainage*
- *Pressure piping systems*
- *Hot and cold water supply*

Harmonisation process

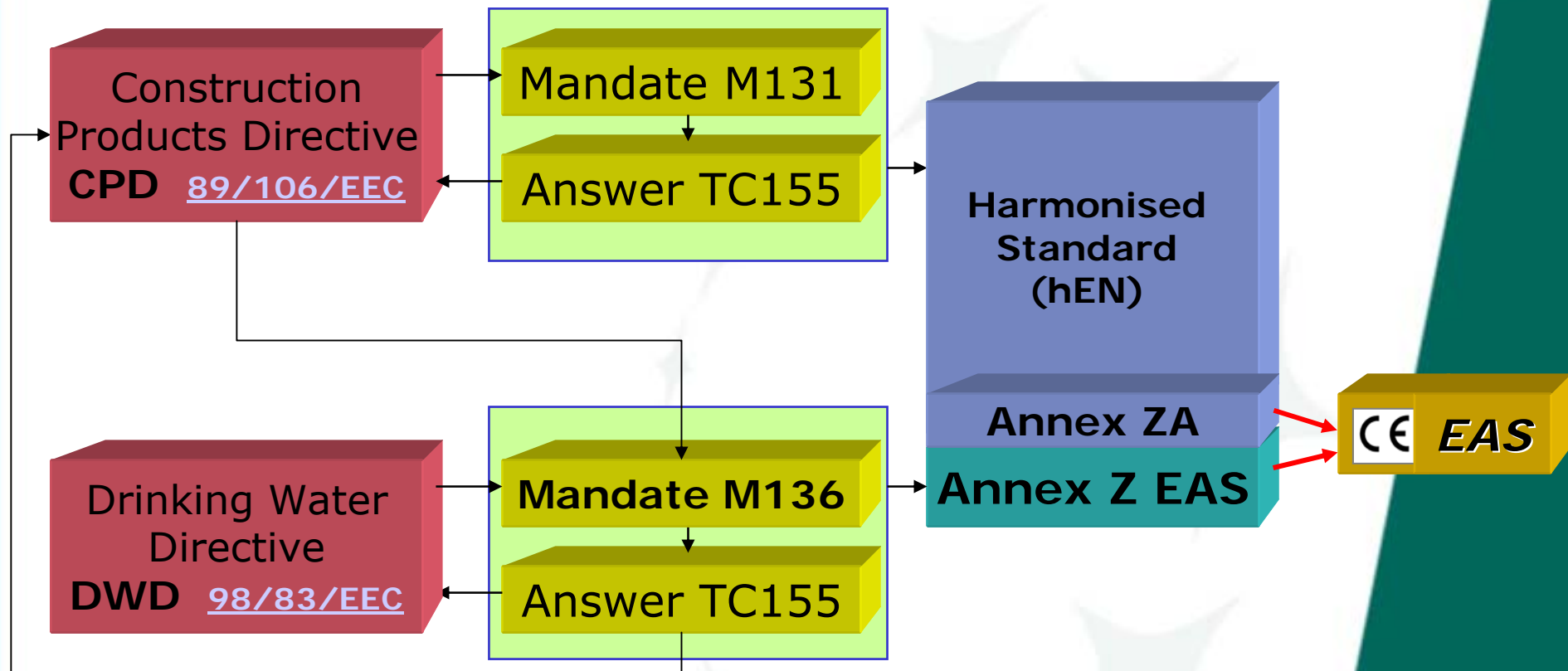


M131: Pipes-tanks and ancillaries not in contact with water intended for human consumption

CEN/TC 155: European standardisation committee "Plastics pipes and fittings"

hEN: Harmonised European Standard

Harmonisation process CPD-DWD



EAS: European Acceptance Scheme for products in contact with drinking water to be expected for 2010. Until then national regulation applies.

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Concerned products

All construction products addressed in Mandate M 118*, M 131 and M 136 by the European Commission and listed in the answer to the Mandate by CEN Technical Committees

- ⇒ CEN/TC155: Pipes, fittings, adhesives, joints, joint sealing and gaskets
- ⇒ CEN/TC69: Industrial valves
- ⇒ CEN/TC164: Shower accessories, water conditioning equipment, etc.

The requirements

Based on the **Construction Products Directive CPD**

- ⇒ To have available **results of type tests** in accordance with the harmonised test methods of the products and to operate an own **factory production control (FPC)** system
- ⇒ **CE marking** of the concerned products
- ⇒ **EC Declaration of conformity** with detailed information to be available in the language of all Member States (MS) where the product is intended to be used

Harmonised standards addresses these issues

What is a mandated/harmonised standard (TC155 hEN)?

- ⇒ Not intended as a **product/system standard**
- ⇒ It covers only the aspects of performance that are related to the satisfaction of the relevant **essential requirements** of the CPD
- ⇒ Defines the requirements for **CE Marking**

Content of the hEN

- a. Scope
- b. Characteristics / Calculation and test methods
- c. Evaluation of Conformity
 - *Initial Type Testing (ITT)*
 - *Factory Production Control (FPC)*
- d. Annex listing product standards (ENs) covered by the hEN
- e. Annex ZA
 - *System of Attestation of Conformity*
 - *EC Declaration of Conformity*
 - *CE Marking*

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Characteristics

P: Pipes
F: Fittings

Performance characteristics given in M131	Soil and waste discharge	Non-pressure drainage and sewerage	Pressure	Hot and cold inside buildings
Reaction to fire ⁽⁵⁾	P , F		P , F ⁽⁴⁾	P , F
Crushing strength				
Internal and external pressure strength			P , F ⁽²⁾	P , F ⁽²⁾
Longitudinal bending strength				
Maximum load for admissible deformation	P , F ⁽¹⁾	P , F		
Dimensional tolerances	P , F	P , F	P , F	P , F
High Temp. resistance (heating networks)				P , F ⁽³⁾
Impact resistance				
Weldability (gas networks)				
Penetration resistance (gas networks)				
Electrostatic behaviour (fuel networks)				
Tightness: gas and liquids	P , F	P , F	P , F	P , F
Permeability				
Release of Dangerous substances⁽⁶⁾	P , F	P , F	P , F	P , F
Thermal properties				
Thermal insulation (related to energy conservation)				
Durability	P , F	P	P , F	P , F

(1) Only relevant when buried underground

(2) External pressure strength only relevant for pipes

(3) Only relevant when used for heating networks

(4) May be relevant when installed above ground, depending on it's intended use

(5) Only relevant if national legislation exists

(6) Still under consideration



Accepted by EC not to deal with



Accepted as relevant

Characteristics and Test methods

⇒ Characteristics

	prEN 15012	prEN 15013	prEN 15014	prEN 15015
Characteristics	Soil and waste discharge	Non-pressure drainage and sewerage	Pressure	Hot and cold inside buildings
Reaction to Fire	P , F		P , F (4)	P , F
Internal and external pressure strength			P , F (2)	P , F (2)
Maximum load for admissible deformation	P , F (1)	P , F		
Dimensional tolerances	P , F	P , F	P , F	P , F
High Temp. resistance (heating networks)				P , F (3)
Tightness: air and liquids	P , F	P , F	P , F	P , F
Release of Dangerous substances	P , F	P , F	P , F	P , F
Durability	P , F	P	P , F	P , F

Reaction to fire and Release of dangerous substances are only applicable where and when subjected to regulatory requirements.

- (1) Only relevant if buried underground
 - (2) External pressure strength only relevant for pipes
 - (3) Only relevant when used for heating networks
 - (4) May be relevant when installed above ground depending on intended use
- P = pipes**
F = fittings

⇒ Calculation and test methods

method specified in the hEN for each characteristic
(calculation if applicable)

Reaction to fire

- In prEN 15012 for soil and waste
 - Tested according to EN 13823
 - Mounting and fixing annex A of prEN 15012
 - Classification according to EN 13501-1
- In prEN 15014 and prEN 15015
 - Only if required by national regulation
 - Classification according to EN 13501-1
 - Mounting and fixing to be agreed separately
- In prEN 15013
 - Underground only – no fire testing

Release of dangerous substances

- General principle requires inclusion in every harmonised standard
- Strongly disputed by industry and still under discussion
- Regarded irrelevant in relation to substances listed by MS and registered on web-site
- The listed substances are not used by plastics piping manufacturers

Durability

- Durability occurs in all harmonised standards
- Soil and waste: ***Resistance to elevated temperature cycling***
- Drainage and sewerage: ***Material long term strength + ring flexibility***
- Pressure pipes for water and sewerage: ***PN classification based on MRS determination***
- Hot and cold water supply systems: ***System classification for high temperatures + joint testing with thermal cycling***

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Initial Type Testing

- ⇒ **All characteristics** described in the hEN (depending on the market and use foreseen) shall be tested or calculated.
- ⇒ **Range of products** (groups by size, pressure, type,... e.g. $63 < d_n \leq 180$; bends, branches)
- ⇒ **Only 1 product** per group shall be evaluated and the results are considered to be representative for the entire group.
- ⇒ On **new products and whenever** design, material, extension of product range or production method are **changed**.
- ⇒ **Test reports** shall be kept by the manufacturer **for at least 10 years**.
- ⇒ **Results of tests previously performed** in accordance with EN shall be taken into account.

Factory Production Control (FPC)

Manufacturer shall establish, document and maintain an FPC system to ensure that the products placed on the market conform to the stated performance characteristics.

Manufacturers operating a quality system, which conforms to or is no less stringent than the relevant requirements of **EN ISO 9001:2000** and which is made specific to products covered by this European Standard shall be deemed to satisfy the FPC requirements of this standard.

Content of the hEN

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Product standards covered by the hENS

prEN 15012 Soil & waste

EN 1329-1	EN 1519-1
EN 1451-1	EN 1565-1
EN 1453-1	EN 1566-1
EN 1455-1	

prEN 15013 Drainage & sewerage

EN 1401-1	prEN 13476-1-2-3
EN 1796	EN 13598-1-2
EN 1852-1	EN 12666-1
EN 14758-1	EN 14364

prEN 15014 Buried and above- ground pressure

EN 1452-1...-5	EN ISO 15493
EN 1456-1	EN ISO 15494
EN 1796	ISO 21004
EN 12201-1...-5	ISO 10931-1...-5
EN 13244-1...-5	ISO 16422
EN 14364	ISO 8779
ISO 9625	ISO 10467
ISO 10639	ISO14236

prEN 15015 Hot & cold inside

EN ISO 15874-1...-5
EN ISO 15875-1...-5
EN ISO 15876-1...-5
EN ISO 15877-1...-5
ISO/DIS 21003-1...-5
ISO 22391-1...-5

Attestation of Conformity

Attestation of Conformity	System / Level					
	1+	1	2+	2	3	4
Certification of product conformity	NB	NB	-	-	-	-
Certification of FPC	-	-	NB	NB	-	-
EC Declaration of Conformity	M	M	M	M	M	M
Initial Type Testing	NB	NB	M	M	NB	M
Factory Production Control	M	M	M	M	M	M
Testing of samples taken at the factory according prescribed test plan	M	M	M	M	-	-
Initial inspection in the factory	NB	NB	NB	NB	-	-
Continuous surveillance, assessment and approval of production control	NB	NB	NB	-	-	-
Audit-testing samples taken at the factory, on the market or on the construction site	NB	-	-	-	-	-

EC Declaration of Conformity

- ⇒ Guarantees that the product or product family satisfies the essential requirements of the applicable Directive
- ⇒ To be drawn up by the **Manufacturer**
- ⇒ Must only be made **available** in response to a request
- ⇒ Shall be presented in the **official or accepted language(s)** of the Member State in which the product is to be used
- ⇒ **Information (*depending on the AoC):**
 - Name and address of the manufacturer
 - Description of the product
 - Provisions to which the product conforms (hEN, ITT, FPC,...)
 - Particular conditions applicable to the use
 - *Name and address of certification body/notified lab **
 - *Number of EC certification of conformity **
 - Date, name and position of the empowered person to sign the declaration

EC Certificate of Conformity (AoC 1)

- To be drawn up by the **Certification body**
- **Entitles the manufacturer to affix CE marking**
- **Information:**
 - Name, address and id number of the certification body
 - Name and address of the manufacturer
 - Description of the product
 - Provisions to which product conforms
 - Particular conditions applicable to the use
 - Number of the EC Certificate
 - Conditions and period of validity of certificate
 - Date, name and position of the empowered person to sign the certificate

CE Marking and accompanying info.

Accompanying information:

- ⇒ last 2 digits of the year in which CE marking was affixed
- ⇒ name or identifying mark of the manufacturer
- ⇒ reference of the European harmonised standard
- ⇒ description of the product
- ⇒ information on those relevant characteristics (declared values, level or class, NPD,...)
- ⇒ Id number of certification body*
- ⇒ number of the EC certificate of conformity *

* Only in case of AoC 1

CE Marking

- ⇒ CE marking symbolises that the **requirements of the specific harmonised standard** are fulfilled and all tasks linked to **AoC** have been completed.
- ⇒ Manufacturer is **responsible** for the affixing
- ⇒ **CE Marking and accompanying information:** Shall be placed on the **product**, on a **label**, on its **packaging** or on the accompanying **commercial documents**.

A **simplified CE Marking with reference to manufacturer's web site** is allowed (see requirements in Annex ZA 3.2 of hEN's)

Comparison of performance characteristics

Quality Mark versus CE marking requirements: e.g. soil&waste PVC-U

Characteristics	Requirements for Quality marks	Requirements for CE marking
Appearance	X	
Colour	X	
Geometrical characteristics	X	X
Impact resistance pipes	X	
Impact resistance fittings (only BD)	X	
Vicat softening temperature (VST)	X	
Longitudinal reversion / oven test	X	
Resistance to dichloromethane	X	
Watertightness	X	X
Airtightness	X	X
Elevated temperature cycling	X	X
Combined tightness (Only BD)	X	
Long-term performances of TPE	X	
Hydr. strength 60°C, 1000h (only BD)	X	
Marking	X	X
Fixation rubbering	KOMO	
Filler content	DIN 19534-3	
Reaction to fire	NF P 92-507	If national regulation exists
Root-growth	DIN 19534-3	
Density	NF T 54-030	
Tensile strength / Elongation at break	NF T 54-030	
Mechanical strength fittings	KOMO	
LOI	NF P 92-507	
Maximum load for admissible deformation		Depending on intended use
Release of dangerous substances		Still under consideration

Requirements in EN 1329
Additional requirements at national level
Requirements in EN 15012 for CE marking

Comparison of performance characteristics

Quality Mark versus CE marking requirements: e.g. PE pressure

Characteristics	Requirements for Quality marks	Requirements for CE marking
Oxidation induction time (OIT)	X	
Melt mass-flow rate (MFR)	X	
Resistance to RCP	X	
Resistance to SCG	X	
Tensile strength for butt fusion	X	
Appearance/Colour	X	
Geometrical characteristics	X	X
Hydrostatic strength 20°C, 100h	X	X
Hydr. strength 80°C, 165h	X	X
Hydr. strength 80°C, 1000h / Durability	X	X
Elongation at break for pipes	X	
Cohesive resistance for electrofusion	X	
Impact resistance for tapping tees	X	
Pressure drop for tapping tees	X	
Marking	X	X
Elongation at break	MARQUE NF 114	
Yield stress	MARQUE NF 114	
Leaktightness under pressure	NF T 54-066 Annexe G	X
Safety factor for electrofusion	NF T 54-066 Annexe H	
Tensile strength	NF T 54-066 Annexe I	
Reaction to fire		Depending on intended use
Release of dangerous substances		Still under consideration

Requirements in EN 12201 and EN 13244

38 Additional requirements on national level

Requirements in EN 15014 for CE marking

Comparison of performance characteristics

Quality Mark versus CE marking requirements: e.g. PB hot&cold

Characteristics	Requirements for Quality marks	Requirements for CE marking
Hydrostatic stress properties of material	X	
Appearance	X	
Opacity	X	
Dimensions	X	X
Resistance to internal pressure / Durability	X	X
Longitudinal reversion for pipes	X	
Melt mass-flow rate MFR for pipes	X	
Thermal stability	X	
Leaktightness under internal pr. and bending	X	X
Resistance to pull-out	X	
Resistance to thermal cycling	X	X
Resistance to pressure cycling	X	
Leaktightness under vacuum	X	X
Marking	X	X
Resistance to high temperature (heating)		Depending on intended use
Reaction to fire		If national regulation exists
Release of dangerous substances		Still under consideration

Requirements in EN 15876

Additional requirements at national level

Requirements in EN 15015 for CE marking

CE marking vs QM's



CE marking:

(based on harmonised EN standard)

- is a sign for free trade
- is legally required, so **mandatory** from the agreed date on
- shows that a **certain set of characteristics** of the product were tested in accordance with harmonised test methods and a own **factory production control** is in operation
- is generally based on a **EC Declaration of conformity** without third party control

Quality mark:

(e.g. based on EN system standards)

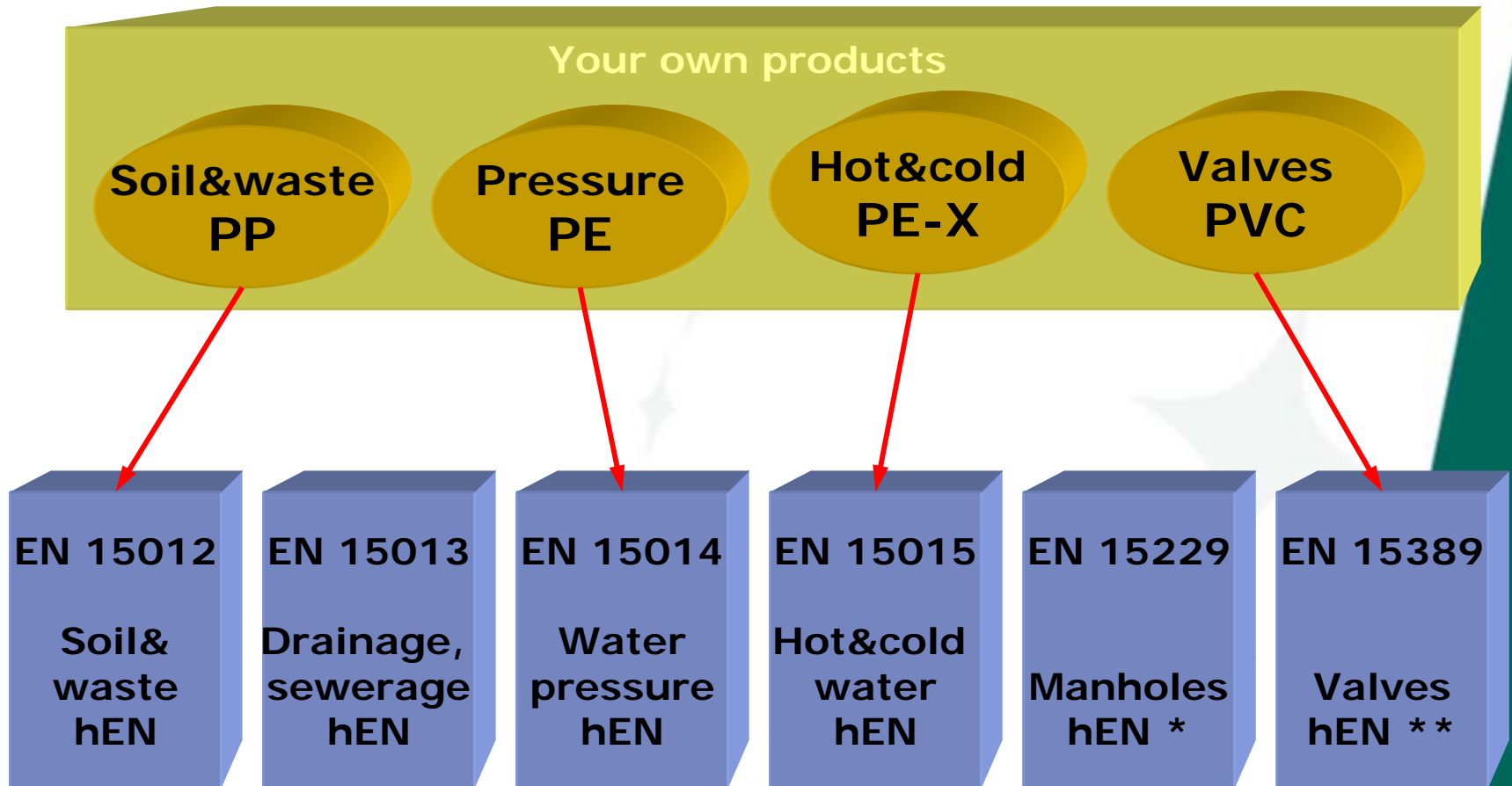
- shows that the product/system is **fit for it's intended use**
- confirms that the product has **successfully passed all tests** listed in the standard and the manufacturer operates a **Quality Management System**
- guarantees that the product/system is **third party controlled** and therefore **certified** by an accredited certification body

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Attribution of product ranges

(Example of how it could be applied)



Covered Product Standards listed in Annexes to these hEN's

Listing of product ranges

(Example of how it could be applied)


PRODUCT Co. Ltd.	Ranges	Soil fittings PP	Soil pipes PP	Pressure fittings PE	Pressure pipes PE	H&CW fittings PE-X	H&CW pipes PE-X	Valves PVC	



SPECIMEN

Listing of marking requirements

(Example of how it could be applied)

 PRODUCT Co. Ltd.	Ranges	Soil fittings PP	Soil pipes PP	Pressure fittings PE	Pressure pipes PE	H&CW fittings PE-X	H&CW pipes PE-X	Valves PVC	
		Characteristics							
Nbr. of harmonised standard									
Manufacturers name or trade mark									
Manufacturers address									
Nominal diameter dn									
Material and designation									
Design pipe series									
Nominal pressure PN									
Application class									
Dimensional tolerances / standard									
Manufacturers info / batch nbr.									
CE marking symbol									
Designation / picture									
Ringstiffness									

SPECIMEN

etc.

Definition of marking places

(Example of how it could be applied)

PRODUCT Co. Ltd.	Ranges	Soil fittings PP	Soil pipes PP	Pressure fittings PE	Pressure pipes PE	H&CW fittings PE-X	H&CW pipes PE-X	Valves PVC	
		Characteristics							
Nbr. of harmonised standard									
Manufacturers name or trade mark									
Manufacturers address									
Nominal diameter dn									
Material and designation									
Design pipe series									
Nominal pressure PN									
Application class									
Dimensional tolerances / standard									
Manufacturers info / batch nbr.									
CE marking symbol									
Designation / picture									
Ringstiffness									

A: on the product
B: on product or bag label
C: on product shield
D: on box or box label
E: on commercial documents
F: on EC Declaration of conformity



etc.

Attribution of marking places

(Example of how it could be applied)

PRODUCT Co. Ltd.	Ranges	Soil fittings PP	Soil pipes PP	Pressure fittings PE	Pressure pipes PE	H&CW fittings PE-X	H&CW pipes PE-X	Valves PVC	
		Marking places							
Nbr. of harmonised standard		B/E	A/E	B/E	A/E	B/E	A/E	F	
Manufacturers nam or trade mark		A/B/D/E	A/E	A/B/E	A/E	A/B/E	A/E	C	
Manufacturers address		D/E	E	E	E	E	E	F	
Nominal diameter dn		A/B/D	A	A/B	A	A/B	A	C	
Material and designation		A/B/D/E	A/E	A/B/E	A/E	A/B/E	A/E	C	
Design pipe series		A/B/D	A	B	A	B	A	F	
Nominal pressure PN		B/D	A	--	--	B	A	F	
Application class		--	--	--	--	B	A	--	
Dimensional tolerances / standard		E	E	E	E	E	E	F	
Manufacturers info / batch nbr.		A/B/D	A	A	A	A	A	A	
CE marking symbol		B/D	A	B	A	B	A	F	
Denomination / picture		D	--	F	--	B	--	F	
External pressure resistance		--	E	--	--	--	--	--	
Tightness		E	E	E	E	E	E	F	
Reaction to fire		E	E	E	E	E	E	F	
Durability		E	E	E	E	E	E	F	
Intended use / code		E	E	E	E	E	E	F	
Dangerous substances		E	E			E	E	F	
Ringstiffness		--	--	E	E	--	--	--	

A: on the product
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SPECIMEN

Black: Is already existing
 Blue: Has to be added



How to deal with ...

(Recommendation on how it could be done)

⇒ Type testing:

- start early enough to collect your available test reports and to build up the necessary files (proof documents).
- if relevant for the country where your products are to be used, look early enough for testing and confirmation of the reaction to fire of your products (e.g. soil&waste).
For this characteristic a third party certification is required

How to deal with ...

⇒ **Factory production control (FPC):**

- Manufacturers operating a quality management system which conforms to EN ISO 9001 and which covers the concerned products, is deemed to satisfy the FPC requirements of the corresponding harmonised European Standard.

Chapter 6 of hEn's details what FPC implies

Where to apply ...

(Recommendation on how it could be done)

⇒ **The CE marking logo and accompanying info:**

- if ever possible to be put on a label (fittings)
- where possible integrate in printing (pipes)
- do not forget that later on the EAS logo has to be added (only for drinking water systems)
- make the accompanying information available via web site (use the simplified CE Marking)

EAS: European Acceptance Scheme for products in contact with drinking water

How to make available ...

(Example of how it could be done)

- ⇒ **The EC Declaration of conformity:** ^a
- to be provided on request
 - only one declaration per product range/family
 - if possible to have available by Internet
 - preferably to be integrated in technical files
 - where available (e.g. valves) to be integrated in the instruction manual
 - the same could be applied for an EC Certificate of Conformity ^b, if applicable (e.g. for the characteristic of reaction to fire)

^a Based on an attestation of conformity with System 4 under the responsibility of the manufacturer

^b Based on an attestation of conformity with System 1 under the responsibility of a certification body

How to prepare ...

EC Declaration of Conformity (AoC 4)

(Example of how it could be done)

EC Declaration of Conformity

The undersigned, representing the following:

Manufacturer: AnyCo Ltd. / complete address

Manufacturing plant: code (Technical documentation should explain the code)

herewith declares that the products: **Unplasticized PVC pipes** are in conformity with the provisions of the Construction Products Directive (**CPD 89/106/EEC**) when installed in accordance with the installation instructions contained in the product documentation, and that the following standard has been applied: **EN 15013:2005** *"Plastics piping systems – non-pressure drainage and sewerage systems buried in ground – performance characteristics for pipes, fittings and their joints"*.

Provisions to which the product conforms:

Characteristics	Performance Declaration
Maximum load for admissible deformation	SN4
Dimensional tolerances	EN 1401-1
Leaktightness:air and liquid	Pass
Durability	Pass
Release of dangerous substances	None

The EN ISO 9001 quality control system operated includes all provisions for ITT and FPC.

... continues

EC Declaration of Conformity

Description of the product: Unplasticized PVC pipes (brand name)

SN (kN/m ²)	Nominal Diameter (mm)	Application area
4	110 - 160 - 200 - 250 - 315 - 400 - 500 - 630	U

Pipes of unplasticized poly(vinyl chloride) (PVC-U) in the field of non-pressure underground drainage and sewerage outside the building structure (application area code "U": area more than 1 m from the building to which the buried piping system is connected)

Signature

Name: Louis Cattors

Position: Supervisor, Standards

Date: 01-01-2005

To be available in the Official or accepted Language(s) of the MS where the product is intended to be used

How to prepare ...

EC Declaration of Conformity (AoC 1)

(Example of how it could be done)

EC Declaration of Conformity

The undersigned, representing the following:

Manufacturer: AnyCo Ltd.

complete address:

Manufacturing plant: code (Technical documentation should explain the code)

herewith declares that the products: **Unplasticized PVC pipes** are in conformity with the provisions of the Construction Products Directive (**CPD 89/106/EEC**) when installed in accordance with the installation instructions contained in the product documentation, and that the following standard has been applied: **EN 15012:2005** "Plastics piping systems – Soil and waste discharge systems within the building structure – performance characteristics for pipes, fittings and their joints".

Provisions to which the product conforms:

Characteristics	Performance Declaration	Report/Certificate
Reaction to fire	B (S3d0)	666-CPD-2005001
Dimensional tolerances	EN 1329-1	-
Leaktightness:air and liquid	Pass	-
Durability	Pass	-
Release of dangerous substances	None	-

The EN ISO 9001 quality control system operated includes all provisions for ITT and FPC.

... continues

EC Declaration of Conformity

Description of the product: Unplasticized PVC pipes (brand name)

Serie	Nominal Diameter (mm)
B	32 - 40 - 50 - 63 - 75 - 90 - 110 - 125 - 160 - 200 - 250 - 315

Pipes of unplasticized poly(vinyl chloride) (PVC-U) for soil and waste discharge (low and high temperature) within the building structure.

Name and address of notified certification body: European Certifiers Ltd. Complete address, EU, **notified under registration number:** 999
Certificate number: 999-CPD-1111

Name and address of notified laboratory involved: Excellent lab., Complete address, EU, **notified under registration number:** 666

Signature

Name: Louis Cattors

Position: Supervisor, Standards

Date: 01-01-2005

To be available in the Official or accepted Language(s) of the MS where the product is intended to be used

How to prepare ...

EC Declaration of Conformity (AoC 3)

(Example of how it could be done)

EC Declaration of Conformity

The undersigned, representing the following:

Manufacturer: AnyCo Ltd.

complete address:

Manufacturing plant: code (Technical documentation should explain the code)

herewith declares that the products: **Unplasticized PVC pipes** are in conformity with the provisions of the Construction Products Directive (**CPD 89/106/EEC**) when installed in accordance with the installation instructions contained in the product documentation, and that the following standard has been applied: **EN 15012:2005** "Plastics piping systems – Soil and waste discharge systems within the building structure – performance characteristics for pipes, fittings and their joints".

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Signature

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Position: Supervisor, Standards

Date: 01-01-2005

**To be available in the Official or accepted Language(s)
of the MS where the product is intended to be used**

Content

1. Introduction
2. Why shall we CE mark ?
3. What does CE marking require ?
4. How to prepare CE marking ?
- 5. Practical advise for CE marking**
6. When to start with CE marking ?
7. CE marking samples

How to deal with ...

⇒ **Products intended to be in contact with Drinking Water**

Until the operation of the EAS for CPDW, products complying with the hEN may be used for the transport of water intended for human consumption if they comply with the relevant national, regional or local regulatory provisions applicable in the place of use.

⇒ Present:

CE Marking + compliance with current regulatory provisions

⇒ Future:

CE + EAS Marking

How to deal with ...

⇒ **Voluntary quality marks:**

- a producer may also affix voluntary quality marks to his products/labels
- this under the condition that the visibility and legibility of the CE marking is not reduced
- non-harmonised aspects must not be presented in such a way that they may be confused harmonised ones
- additional requirements to harmonised characters are not allowed

How to deal with ...

⇒ **Products covered by more than one directive:**

- there is only one CE marking symbol
- EC Declaration of conformity must clearly record the directives and harmonised European Standards that have been applied

How to deal with ...

⇒ **Private Label products:**

In the case of manufacturer A producing products exclusively for manufacturer B with the brand name of manufacturer B, and whereby manufacturer B is bringing these products to the EEA, manufacturer B shall be responsible for affixing the CE marking.

The EC Declaration of conformity will therefore show the address of manufacturer B. For reasons of traceability, the place of production of the product in question may be identified in a coded format.

In case of private label product deliveries, as defined above, a legal contract shall be established between the parties containing their respective responsibilities.

How to deal with ...

⇒ **Products not covered by a hEN (e.g. new ones):**

- apply for an ETA based on a ETAG (if existing)
- otherwise apply for an ETA in collaboration with an Approval Body listed in the Official Journal of the European Union
- more information on that subject can be found under following link:

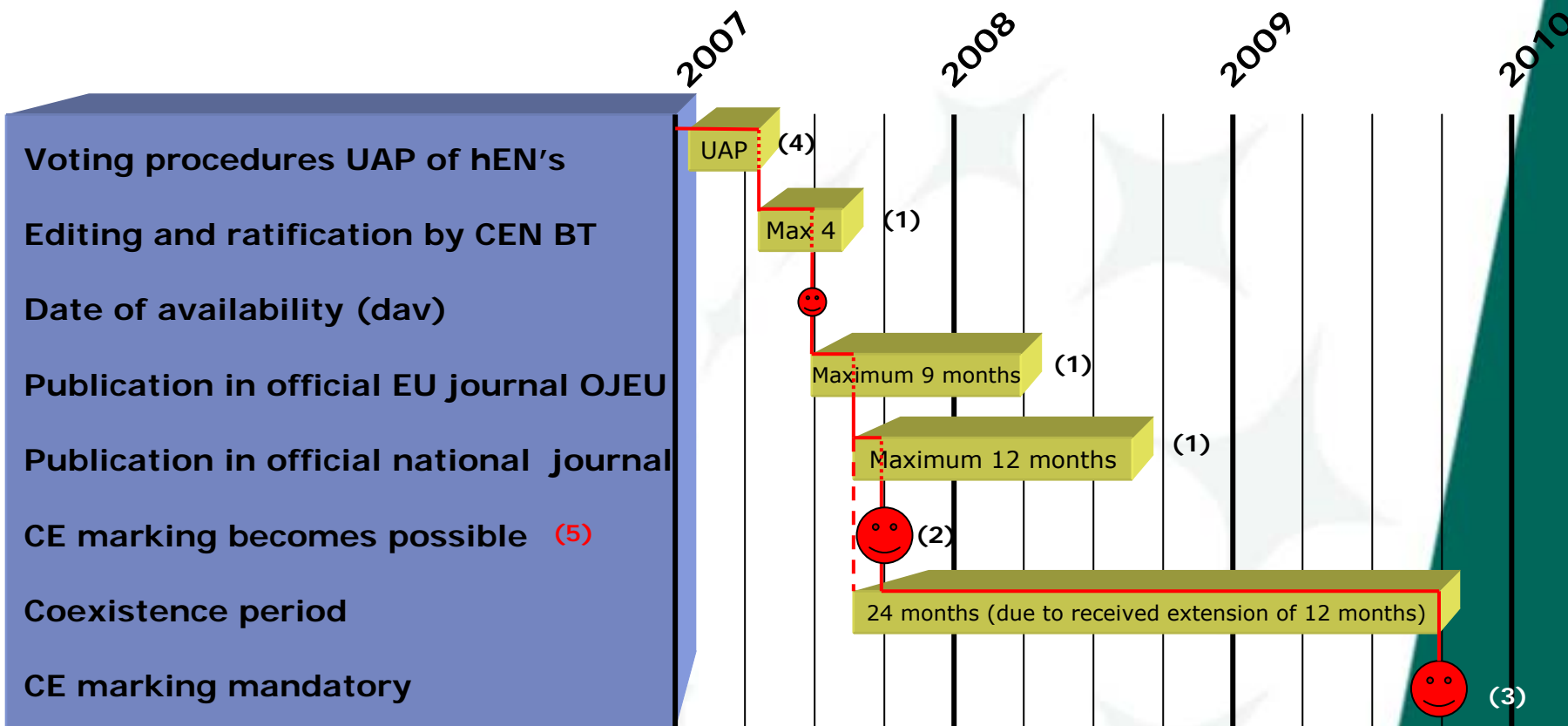
<http://www.eota.be/>

ETA: European Technical Approval
ETAG: European Technical Approval Guideline
EC: European Commission

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When to start with CE marking



- (1) exact time not known
- (2) when published in one Member State
- (3) may vary depending on speed of procedures
- (4) formal vote needed due to a negative UAP

- (5) timetable only valid for plastics piping products covered by the 4 hEN's of CEN/TC155
 - for valves start expected for 2006
 - for metal fittings start expected for 2006/2007

Content

1. Introduction
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CE marking sample of a ...

Non-pressure drainage and sewerage pipe



Product

Relevant information for the works with direct practical interest to be given on the pipe itself.

Where's the red information is equally requested by the product standard.

Commercial documents

Delivery Note

Any Co Ltd.
Street 123
EU-4567 Town
www.anycompany.eu

Manufacturers address and link to manufacturer's web site

Declaration

EC Declaration of Conformity

on company
Internet Homepage

Including the information required as well as all information already given with the product. It has to be made available in response to a substantiated request.

The CE logo including the accompanying information may also be put on a label attached to the coils, drums or support frames, on the commercial documents or in manufacturer's web

CE marking sample of a ...

Hot and cold water pipe

Any Co Ltd. PE-Xa DN 16x2,2-A EN ISO 15875 Class 2/6 bar **CE** 05-01xy EN 15015

Product

Relevant information for the works with direct practical interest to be given on the pipe itself.

Where's the red information is equally requested by the product standard.

The CE logo including the accompanying information may also be put on a label attached to the coils, drums or support frames, on the commercial documents or in manufacturer's web

Commercial documents

Delivery Note

Any Co Ltd.
Street 123
EU-4567 Town
www.anycompany.eu

Manufacturers address and link to manufacturer's web site

Declaration

EC Declaration of Conformity


on company Internet Homepage

Including the information required as well as all information already given with the product. It has to be made available in response to a substantiated request.

CE marking sample of a ...


Soil and waste discharge fitting

Product



Any Co Ltd.
PVC-U
DN 110-88,5°
EN 1329 BD SN4
CE 05 - 01xy EN 15012
R BS₃d0 LNE 05/123

Any Co Ltd. - Street 123 - EU-4567 Town
www.anycompany.eu

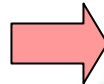


Commercial documents



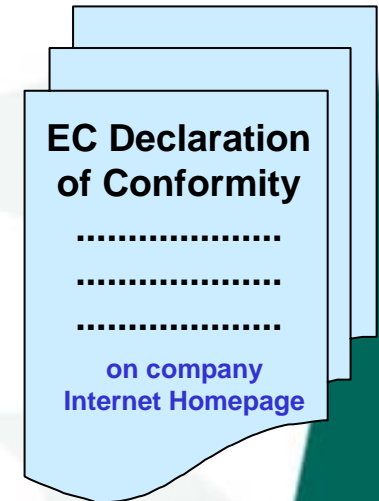
Delivery Note
.....
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www.anycompany.eu



or

Declaration



EC Declaration of Conformity
.....
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.....

[on company Internet Homepage](#)

Relevant information for the works with direct practical interest to be given on the product itself, on a product or bag label, or on the packaging as applicable.

Where's the red information is equally requested by the product standard.

Link to manufacturer's web site

Including the information required as well as all information already given with the product. It has to be made available in response to a substantiated request.

CE marking sample of a ...

Pressure fitting

Product

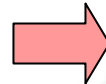
Any Co Ltd.
PE 100
dn 160 SDR 11
EN 1555 GAS
EN 12201 / EN 13244 W+P
CE 05 - 01xy EN 15014



Any Co Ltd. - Street 123 - EU-4567 Town
www.anycompany.eu

Commercial documents

Delivery Note
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www.anycompany.eu



or

Declaration

EC Declaration of Conformity
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.....
on company Internet Homepage

Relevant information for the works with direct practical interest to be given on the product itself, on a product or bag label, or on the packaging as applicable.

Where's the red information is equally requested by the product standard.

Link to the manufacturer's web

Including the information required as well as all information already given with the product. It has to be made available in response to a substantiated request.

END

of presentation

If you have any questions please do not hesitate to send them to TEPPFA under the key word “CE marking” at following e-mail address:

info@teppfa.org