



Rialtas na hÉireann
Government of Ireland

Overview of the Construction Products Regulations

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Overview



- Purpose of the CPR
- National Implementation
- Future changes

Overview of the CPR



Regulation (EU) No 305/2011

To break down barriers to trade and facilitate the free movement of construction products within the European Union
Obligation and responsibilities on **manufacturers, importers and distributors**



Harmonised Technical Specifications

Harmonised Standards – **Mandatory**
European Technical Assessments – **Voluntary** route to CE Marking



3rd Party Certification

Agreed System of Assessment and Verification of Constancy of Performance (AVCP)
Agreed framework of **notified bodies**



Declaration of Performance (DoP) & CE Marking

Once the DoP has been drawn up, the manufacturer must affix a CE marking to the product. CE marking enables a construction product to be placed legally on the market in any EU country and then be traded on the EU's single market



Market Surveillance

Checks to ensure that construction products placed on the market comply with the requirements of the CPR

Roles and Responsibilities



NANDO-CPR Database

https://ec.europa.eu/growth/tools-databases/nando/index.cfm?fuseaction=directive.notifiedbody&dir_id=33



**An Roinn Tithíochta,
Rialtais Áitiúil agus Oidhreachta**
Department of Housing,
Local Government and Heritage

Notifying Authority












Notified Bodies





Technical Assessment Bodies

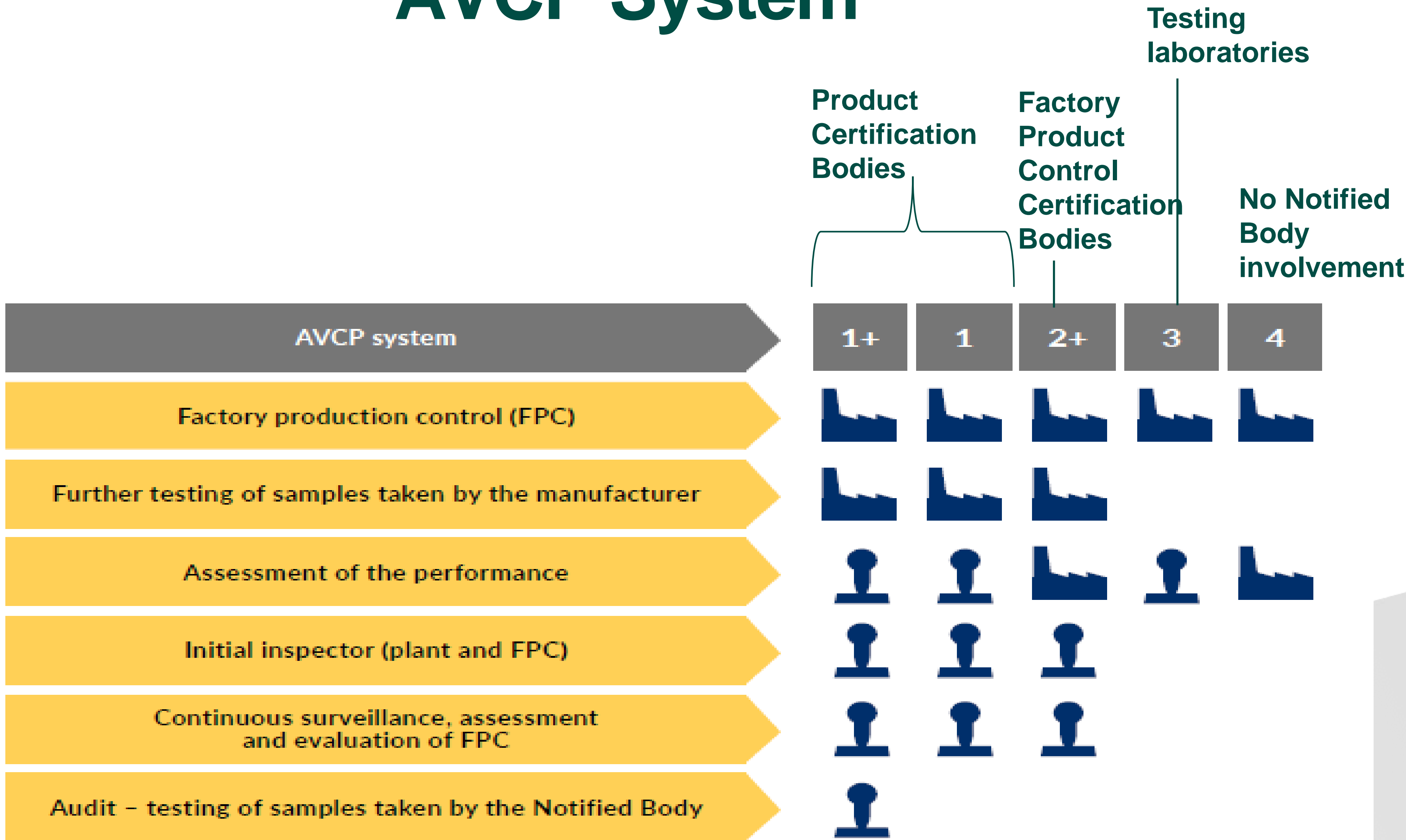


Accreditation Body




Market Surveillance Authority

AVCP System

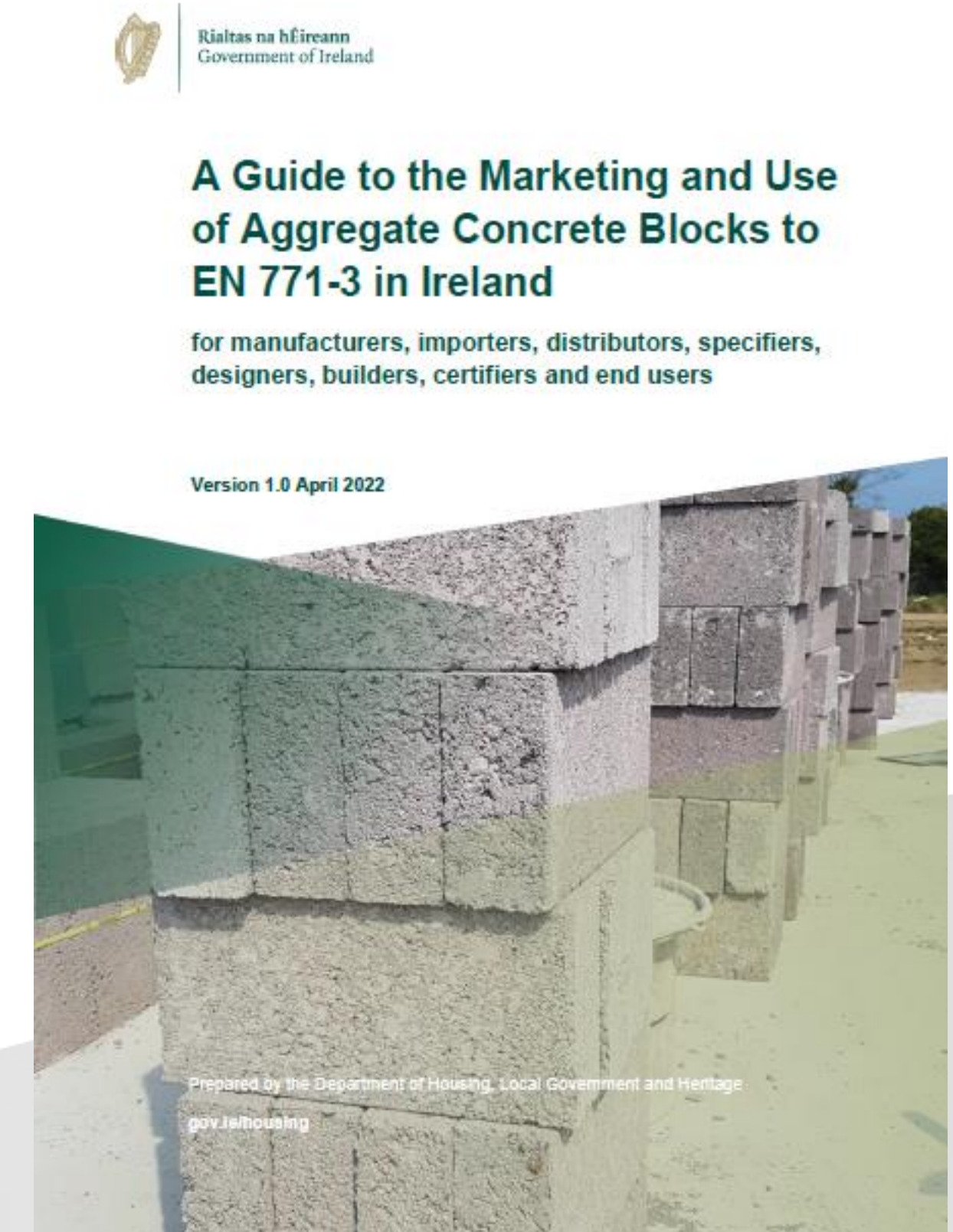


 Manufacturer
  Notified Body

A Guide to the Marketing and Use of Aggregate Concrete Blocks to EN 771-3 in Ireland



- Guidance on marketing
- Outlines legal responsibilities
- Facilitate clearer communication
- Guidance generally applies to all harmonized construction products



Standards and National Provisions



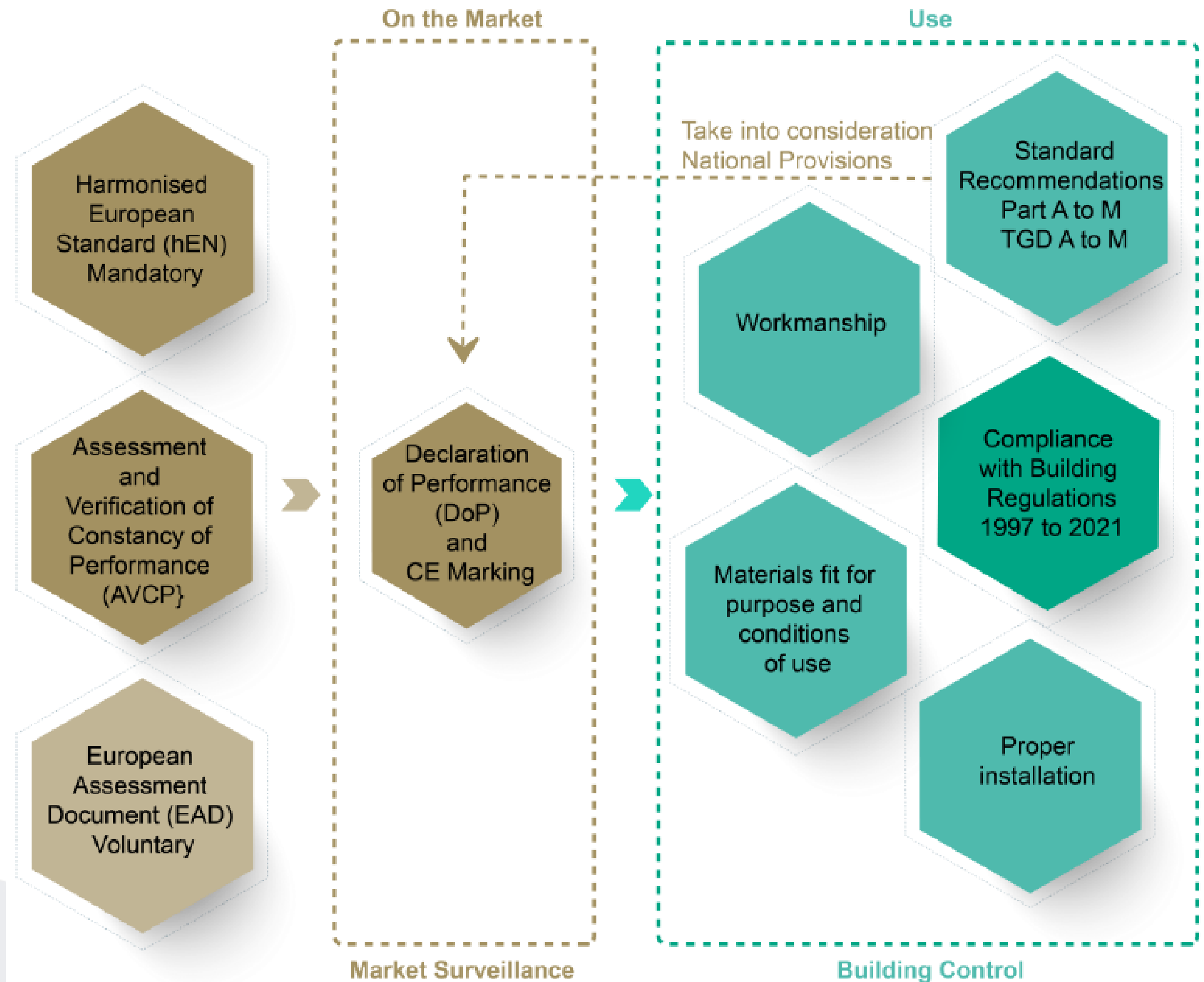
- Product Standards
 - I.S. EN 771-3:2011 + A1:2015
- National Provisions
 - S.R. 16:2016
 - S.R. 325:2013 + A2:2018
 - I.S. EN 1996 (including National Annexes)
 - Technical Guidance Documents (A, B, C, D, E and L)

Summary of Obligations



Placing a construction product on the market – Declaration of Performance

Using a construction product – Performance suitable for end use



Sample Declaration of Performance



Information which should be provided, taking into account the national provisions:

- No minimum performance requirement
- ▲ National provisions require minimum performance (for certain applications)

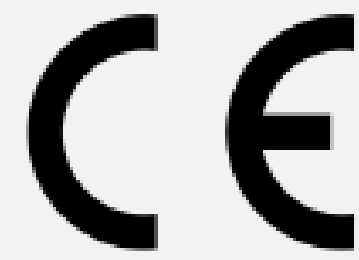
Essential Characteristic		Performance
DECLARATION OF PERFORMANCE No. 12345 1. Unique identification code of the product type: ABC – 7.5N Solid Block 2. Intended Use: Common masonry unit for use as external walls, or as internal walls, in load bearing or non-load bearing building and civil engineering applications. 3. Manufacturer: ABC Concrete Ltd., Address 1, Address 2, Ireland, Eircode: XXXX 4. Authorised Representative: Not Applicable 5. System of AVCP: AVCP System 2+ 6. Harmonised Standard EN 771-3:2011+A1:2015 7. Notified Body: NB 99999 8. Declared Performance:		
Dimensions	Length	● 440 mm
	Width	● 100 mm
	Height	● 215 mm
	Tolerance Category	● D1 (+3mm, -5mm)
Configuration	Shape and features	
	Grouping according to EN 1996-1-1	● Group 1
Compressive Strength	Mean Compressive Strength	▲ 7.5 N/mm ²
	Direction of load	● Perpendicular to bed faces
	Unit Category	▲ Category I
Dimensional Stability Moisture Movement		▲ < 0.6 mm/m
Bond Strength	Shear Bond Strength	● 0.15 N/mm ²
	Flexural Bond Strength	● 0.5 N/mm ²
Reaction to Fire		▲ A1
Water Absorption		● ≤20 g/m ² s
Water Vapour Permeability		● 5/15μ (Tabulated value)
Direct Airborne Sound Insulation - Gross Density		▲ >1900 kg/m ³
Thermal Resistance		▲ 1.11 W/mK (A10, dry)
Durability against freeze thaw		▲ Suitable for use in: Masonry Condition Situations A1 and A2 as outlined in Table 14 of S.R. 325:2013+A2:2018. (Work below or near external ground level) – MX2.1/2.2 • net density ≥ 1,500 kg/m ³ , • mean compressive strength ≥ 7.5 N/mm ² • aggregate in accordance with I.S. EN 12620 and S.R. 16:2016 • Mortar Strength Class: M4 for A1 or M6 for A2
Dangerous Substances		NPD
The performance of the product identified above is in conformity with the declared performance/s. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above. Signed for and on behalf of the manufacturer by: A.N. Other At: Address 1, Address 2, Ireland, Eircode XXXX on 01 July 2013 Signature: A.N. Other		
www.ABCConcrete/DoP12345		

Sample CE Mark



NB a different declaration than the DoP:

- ▲ The declared value of the essential characteristics on the DoP which are not NPD must be provided on the CE Marking.



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12345 - ABC – 7.5N Solid Block
 ABC Concrete Ltd., Address 1, Address 2, Ireland.
 Eircode: XXXX
 EN 771-3:2011 + A1:2015

NB 99999

Intended Use: Common masonry unit for use as external walls, or as internal walls, in load bearing or non-load bearing building and civil engineering applications.

Declared Performance

Essential Characteristic	Performance
Dimensions	L x W x H = 440 x 100 x 215 mm
Configuration	Group 1
Tolerance Category	D1
Mean Compressive Strength	▲ 7.5 N/mm ²
Direction of load	Perpendicular to bed faces
Unit Category	▲ Category I
Moisture Movement	▲ < 0.6 mm/m
Shear Bond Strength	0.15 N/mm ²
Flexural Bond Strength	0.5 N/mm ²
Reaction to Fire	▲ A1
Water Absorption	≤20 g/m ² s
Water Vapour Permeability	5/15µ
Direct Airborne Sound Insulation - Gross Density	▲ > 1900 kg/m ³
Thermal Resistance	▲ 1.11 W/mK (λ10, dry)
Durability against freeze thaw	▲ Suitable for use in masonry condition situations A1 and A2 as outlined in Table 14 of S.R. 325:2013+A2:2018. (Work below or near external ground level) MX2.1/2.2 <ul style="list-style-type: none"> net density ≥ 1,500 kg/m³, mean compressive strength ≥ 7.5 N/mm² aggregate in accordance with I.S. EN 12620 and S.R. 16:2016 Mortar Strength Class (M4 for A1 / M6 for A2)

www.ABCConcrete/DoP12345

Frequently Asked Questions



- Queries relating to products/constituents from Northern Ireland
- Self builder obligations
- Links to National Provisions
- How to check if a manufacturer is certified
- Reporting suspected non-compliance

Market surveillance



- Member State is responsible for regulating for its own market surveillance activities
- Purpose: Market surveillance activity should enable non-compliant products to be identified and kept or taken off the market with unscrupulous and/or criminal economic operators prosecuted and penalised for their actions

Market Surveillance Authorities



[European Union \(Construction Products\) Regulations 2013 \(S.I. No. 225 of 2013\)](#)

- building control authorities are market surveillance authorities within their administrative areas

[S.I. No. 682 of 2020.](#)

- National Building Control & Market Surveillance Office (NBC&MSO) is a competent authority for the carrying out of market surveillance across the State
 - NBC&MSO is complementary
 - provides for a co-ordinated approach.
 - Building control authorities liaise with the NBC&MSO

Market Surveillance Regulation 2019/1020



- Legislation is currently being finalised to give effect to EU Regulation 2019/1020 as it pertains to construction products
- Market Surveillance Regulation aims:
 - to improve how the free movement of goods principle works by strengthening market surveillance
 - Lays down rules and procedures for economic operators and establishes a system for their cooperation with supervisory authorities
 - Strengthens the network of MSAs and enables further collaboration
 - focuses on online sales

Market surveillance



- Ireland's National market surveillance strategy
- Report of the Market Surveillance of Construction Products produced from County Donegal Quarries 2021/2022

Future Changes



The European Institutions have begun two parallel processes that may lead to improvements to the current CPR system:

- Review of the CPR – legislation
- CPR Acquis – standards

Review of the CPR



The EC have published a draft text for a revision to the CPR, which intends to deliver:

- Easier delivery of harmonised standards
- Increased digitalisation of construction product info
- Requirement for compulsory declaration of environmental characteristics

Environmental Aims



The revised CPR is one element of a series of European measures to achieve our emission reduction targets.

- European Green Deal - EU fit for 55
- Sustainable Product Initiative - Ecodesign
- Circular Economy Action Plan
- Levels – Sustainability Performance of Buildings

CPR Acquis – Technical Review



- To correct, complete and renew technical specifications adopted under the CPR
- Original process for delivering harmonised technical specifications lacks coherence
- Current development process is underperforming

CPR Acquis – Technical Review



The Member States have indicated their priorities for product families to be reviewed initially.

Rank	Product families	Coordinators	Main contributors	Active inputs	Written inputs	TOT
1	M100 Precast concrete	2	2	9	3	16
2	M120 Structural metallic	2	2	7	3	14
3	M115 Reinforcing steel	2	2	6	5	15
4	M101 Doors, windows	2	3	7	7	19
5	M114 Cement	3	3	4	4	14
6	M103 Thermal insulating	2	4	7	4	17
7	M112 Structural timber	2	2	3	3	10
8	M128 Concrete, mortar &	2	3	8	4	17
9	M116 Masonry	2	2	9	4	17
10	M125 Aggregates	2	2	4	3	11
11	M109 Fixed fire fighting	0	2	2	1	5
12	M124 Road construction	1	1	1	0	3
13	M119 Floorings	1	2	3	0	6
14	M489 ETICS	1	3	1	4	9
15	M108 Curtain walling	2	2	2	3	9
16	M113 Wood based panels	2	2	0	0	4
17	M104 Structural bearings	0	1	1	0	2
18	Kits and assembled products	0	1	0	0	1
19	M121 Wall and ceiling finishes	1	2	7	2	12
20	M129 Space heating	0	2	3	0	5
21	M122 Roof coverings	1	3	8	0	12
22	M111 Circulation fixtures	0	1	2	0	3
23	M118 Waste water disposal	1	1	1	0	3
24	M127 Adhesive	1	1	1	0	3
25	M106 Gypsum	1	2	3	0	6
26	Anchors and fasteners	0	1	1	2	4
27	M102 Floor beds, roads and	1	2	7	0	10
28	M135 Glass	1	2	0	1	4
29	M107 Geotextiles	0	1	0	0	1
30	M110 Sanitary appliances	1	2	1	0	4
31	M131 Pipes, tanks not in	2	2	1	0	5
32	M443 power, control and	1	2	3	2	8
33	M105 Chimney	1	2	2	0	5
34	M474 Sealants for non-	0	1	1	0	2
	Other families	2	5	1	1	9
	TOT Experts	42	71	116	56	285

Rank	Product families
1	M100 Precast concrete
2	M120 Structural metallic
3	M115 Reinforcing steel
4	M101 Doors, windows
5	M114 Cement
6	M103 Thermal insulating
7	M112 Structural timber
8	M128 Concrete, mortar &
9	M116 Masonry
10	M125 Aggregates

CPR Acquis – Current Status



The first 5 subgroups have begun their work:

- Precast Concrete
- Structural Metallic Products
- Reinforcing Steel
- Windows & Doors

A Horizontal Subgroup on Environmental Sustainability has been established to address the common issues in relation to environmental characteristics.



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Summary