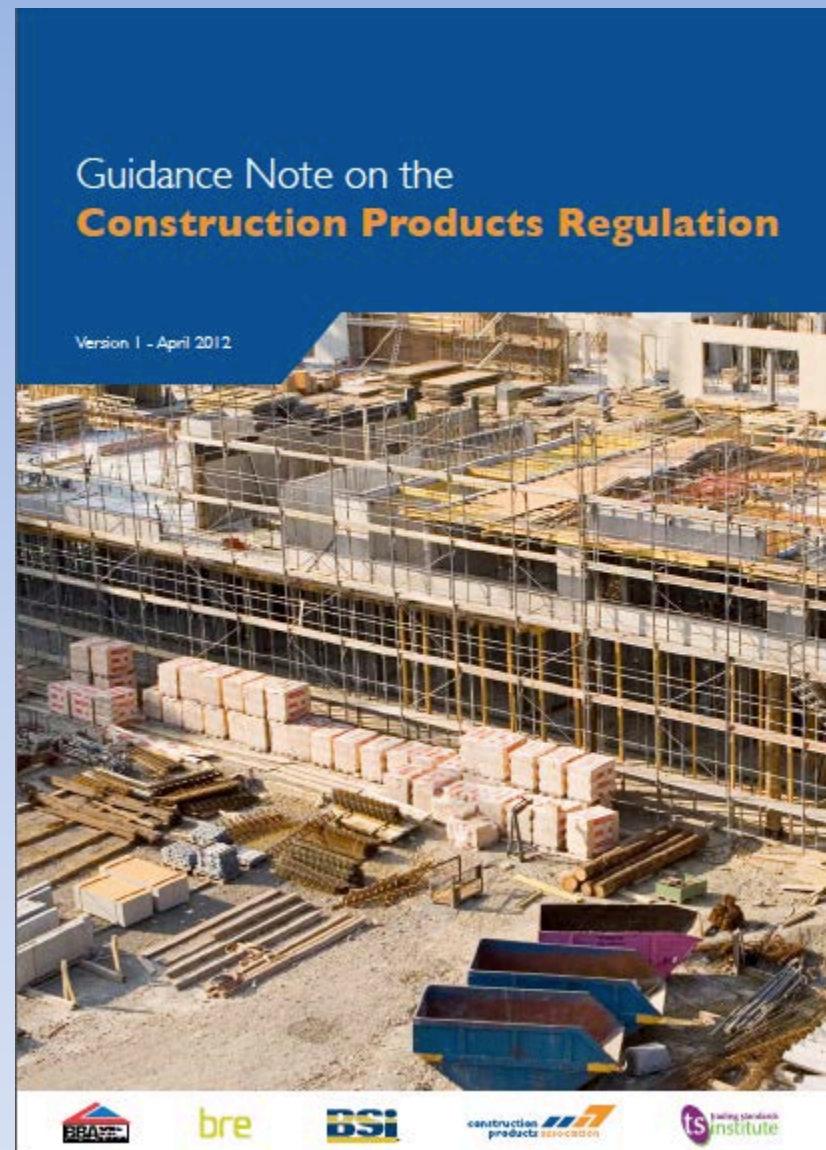


***How the CE regulations will
affect APSE members in
terms of roads maintenance***

CE Marking

- What is CE marking?
- Who does it apply to?
 - Private Organisations
 - Local Authorities (are they exempt?)
- What Tayside Contracts is doing to comply with our legal requirements.

- Why do we need to CE mark construction products?



www.constructionproducts.org.uk/publications/industry-affairs/display/view/construction-products-regulation

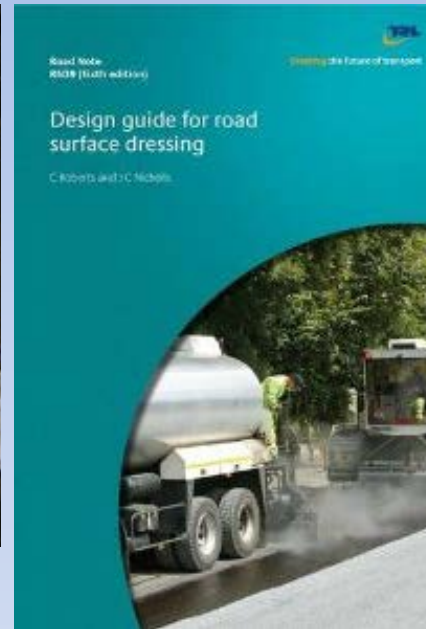
What is changing?

- The construction industry is facing the most significant change for a decade in the way in which construction products are sold in Europe.
- From 1 July 2013, under the Construction Products Regulation 2011 (CPR), it will become mandatory for manufacturers to apply CE marking to any of their products which are covered by a harmonised European standard (hEN) or European Technical Assessment (ETA).

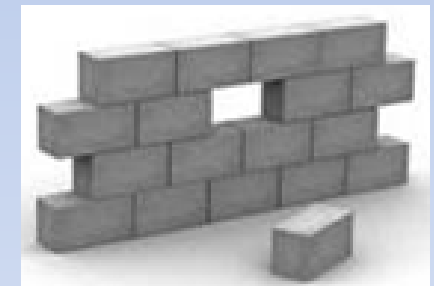
What is covered by the Regulation in terms of Roads Maintenance ?



Aggregates and Bituminous Mixtures



Road Surface Dressing and Slurry Treatments



**Sign Manufacture, Concrete Products
and many others**

What is involved?

- The Construction Products Regulations (CPR) aims to break down the barriers to trade in construction products within the European Economic Area (EEA).
- To achieve this, the CPR provides 4 main elements:
 1. A system of harmonised technical specifications.
 2. An agreed system of conformity assessment for each product family.
 3. A framework of notified bodies.
 4. CE marking of products.

What is involved

- CE marking enables a product to be legally placed on the market in any member state.
- CE marking indicates that a product is consistent with its Declaration of Performance (DoP).
 - By making a DoP the manufacturer, importer or distributor is assuming legal responsibility for the conformity of the construction product with its declared performance

Who does the CPR apply to?

- The CPR applies to any individual, organisation or public body that places a construction product on the market, that is subject to compliance with a harmonised European standard in the course of a commercial activity, whether in return for payment or free of charge.

Who does the CPR apply to?

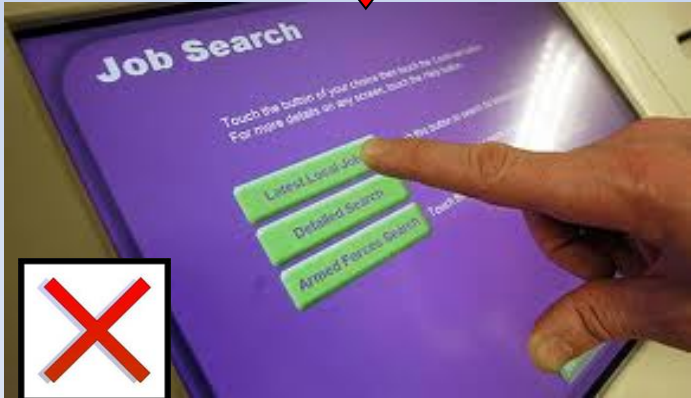
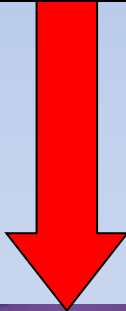
- Are Local Authorities exempt from CE marking?
 - There is currently some thought that if you are a local authority and provide the products only for use in your own authority and don't offer them on the open market that you are exempt from having to CE mark your products.
 - An individual authority would need to take their own legal advice on this.
 - However, you need to be aware that it takes time to get CE marking and any delay now will probably result in you being unable to meet the 1/7/2013 deadline.

Who does this affect ?

Proactive Organisations



Reactive Organisations



What does all this mean in practice for Tayside Contracts?

Tayside Contracts

- We have taken the decision to CE mark
 1. Quarry aggregates (natural and recycled)
 2. Quarry bituminous mixes
 3. Roads Surface Dressing (singles and multiple)
 4. Sign Manufacture
 5. Footpath slurry treatments
- The reason for the above is that all these products are covered by harmonised European standards (hEN)

Road Surface Dressing

- Example of what this entails:
 1. Type approval installation trials (TAITs) have to be undertaken for all processes – this will take 12 months
 2. We still require the processes to have quality certification e.g. ISO 9001
 3. We have had to change our testing processes to ensure they meet the hEN.
 4. We have to ensure all the products going into the process e.g. bitumen are CE marked.

Tayside Contracts, Road Surface Dressing, CE Marking, and The Construction Products Regulation 2011



Road Surface Dressing

- Supporting evidence needed
 1. Factory production control (FPC)
 2. Declaration of Performance (DoP)
 3. Attestation – Initial Type Testing (ITT) and/or Type Approval Installation Trials (TAITS)
- The FPC, DoP, ITT and TAIT's are assessed to different criteria depending on the product and the hEN.

Verification Process

Responsibility	Task	1+	1	2+	3	4
Notified body	Initial Inspection	✓	✓	✓		
	Continuous Surveillance	✓	✓	✓		
	Type-testing	✓	✓		✓	
	Audit Testing	✓				
Manufacturer	FPC	✓	✓	✓	✓	✓
	Type-testing			✓		✓
	Declaration of performance	✓	✓	✓	✓	✓

- From the above table you can see the Notified Body involvement

Verification Process

- For Tayside Contracts, our products will require system 2+ or 4.
- Once you can demonstrate compliance to the Notified Body then they will issue a certificate of compliance for Factory Production Control.
- Only then can you attach the CE Mark to your Declaration of Performance

How do we CE Mark our Products ?



CE Mark Certificate

01234 AnyCo Ltd, PO Box 21, B-1050 06 01234-CPD-00234	
EN 13108-1 Asphalt Concrete for roads and other trafficked areas AC 16 surf T0100 euro asphalt plant S24	
General requirements + fundamental requirements	
Voids content*	V _{max} (7.0 %)
- maximum	V _{min} (2.0 %)
- minimum	
Water sensitivity	WTR ₅₀₀ (80 %)
Resistance to abrasion by studied tyres:	AR _{Acc} (40 m ²)
Reaction to fire	Euroclass C8 ⁺
Temperature of the mixture	140 °C to 180 °C
Grading (passing):	100 %
22.4 mm sieve	85 %
11.2 mm sieve	85 %
5.6 mm sieve	62 %
2 mm sieve	40 %
0.500 mm sieve	33 %
0.250 mm sieve	22 %
0.083 mm sieve	8.6 %
Dinler content	0.00 to 0.0 (%)
Stiffness	
- minimum	S _{min} (1 800 MPa)
- maximum	S _{max} (9 000 MPa)
Resistance to permanent deformation	
- large size device: proportional rut depth	P _r (5.0 %)
- small size device: wheel tracking slope	WTS _{small} (10 mm)
small size device: proportional rut depth	PRD _{small} (0.0 %)
<small>*Failing test conditions selected in accordance with EN 13108-20.</small>	

Shortened
CE Mark Certificate

AnyCo Ltd, PO Box 21, B-1050 06	
EN 13108-1 Asphalt Concrete for roads and other trafficked areas AC 16 surf T0100 euro asphalt plant AC24	



Figure 7A.1a and 7A.1b — Examples of CE marking information

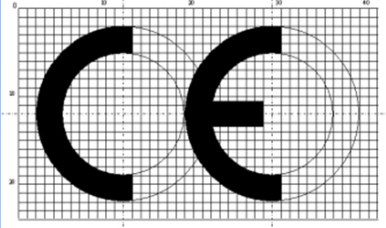
- Downloadable Certificates on Organisations Internet Site



- Certificate with every batch / load / item ?



Sample of a Declaration of Performance

	CE symbol
nnnnnnn	Number of the Notified Body, where applicable
XXX	Details of the producer
12	Last 2 digits of the year that the CE mark was affixed
nnn -CPD-xxxx	Number of EC certificate of conformity, where applicable
ETA yy/AAANNN ppp	Details of the technical specification and the product and product characteristic, where applicable

In Summary

1. Construction Products + Harmonised European Standards
2. Regulation = Mandatory CE Marking for hEN related Products
3. Not a replacement for ISO 9001 Quality Compliance
4. Requires
 - Factory Production Control
 - Type Testing of Products
 - Declaration of Performance
5. Local Authority Exemption ?
6. Notified Body or Self certification
7. Consequences of selling products without CE marking

Thank you,

Any Questions ?