

Guide to testing and CE Marking requirements for natural stone

Are you ready for the new Construction Products Regulation (CPR)?

CE Marking is the responsibility of the person or Company placing the finished product within the European market member states. By adding the CE mark manufacturers indicate that they take responsibility for the conformity of the product with the declared performance.



All stone, not just that from Europe must be CE marked. If the stone contractor is importing stone from outside the EU (China, India, South Africa, and Brazil etc.) they are responsible for ensuring that the stone has been properly tested.



Whilst the basis of CE marking is testing to confirm that the stone complies with "Basic Requirements", compliance with the manufacturing tolerance and sampling set out in the relevant standard must still be achieved.

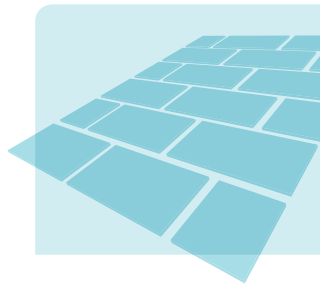


This brochure details the testing requirements for Stone to European Standards and guidance on CE Marking against the new CPR which came into effect on 1st July 2013. CE Marking is a legal obligation in the UK and throughout Europe from 1st July 2013.

CE marking is a "passport" enabling a product to be placed legally on the market in any Member State and to remove barriers to trade. The CPR requires the manufacturers of natural stone products for which there are harmonised standards or European Technical Approvals for that product to undertake CE Marking when placing products on the market from 1st July 2013.

A Declaration of Performance (DoP) is also needed and must include the intended use and at least one of the Basic Requirements of the CPR as required for the end use of product.

Masonry, cladding, slabs and tiles for flooring and stairs, external paving, setts and kerbs, and roofing slates are products that will be required to comply with the requirements of the relevant harmonised Standards.



The harmonised standards set out the requirements for initial type testing and factory production control and require the supplier to declare the denomination of the stone in accordance with BS EN 12440 Natural stone – Denomination criteria.



EC Declaration of Performance

It is the responsibility of the “manufacturers or their authorised representative in the EU” to produce the EC Declaration of Performance. The declaration must follow the form and layout set out in Annex ZA of the relevant standard.

BRE – unrivalled expertise in stone testing

BRE is an accredited testing laboratory and has many years of experience of testing Stone Products in accordance with the Standards referenced in this Guide.

The Standards referred to in Table 1 (below) are Attestation of Conformity (AoC) System 4 (EN 1341, 1342 and 1343) or System 3 or 4 (EN 1469, 12057 and 12058) according to Table ZA.2 of the respective Standards. Table 1 (below) summarises the Basic Requirements of the harmonised Standards. Other tests are highlighted as these values are often requested at the point of supply.

Act now to ensure you comply with the requirements of the CPR which came into effect from 1st July 2013. BRE will be pleased to help with your testing and CE Marking requirements.

Please contact David Gall at BRE to discuss your testing and CE marking requirements.

Test description	Petrographic description	Apparent density and open porosity	Water absorption at atmospheric pressure	Water absorption by capillarity	Flexural strength	Compressive strength	Frost resistance (if product is for external use)	Breaking load at a dowel hole	Slip resistance	Abrasion	Thermal shock resistance	Thermal resistance
Test method	EN 12407	EN 1936	EN 13755	EN 1925	EN 12372 or EN 13161	EN 1926	EN 12371	EN 13364	EN 14231	EN 14157	EN 14066	EN 12524 and/or ISO 12572
BS EN 1341 Slabs of natural stone for external paving - Requirements and test methods	X	X	X		X		X		X	X		
BS EN 1342 Setts of natural stone for external paving - Requirements and test methods	X	X	X			X	X		X	X		
BS EN 1343 Kerbs of natural stone for external paving - Requirements and test methods	X	X	X		X		X					
BS EN 1469 Natural stone products - Slabs for cladding - Requirements	X	X	X	X	X		X	X			X	X
BS EN 12058 Natural stone products - Slabs for floors and stairs - Requirements	X	X	X		X		X		X	X		
BS EN 12057 Natural stone products - Modular tiles - Requirements	X	X	X		X		X		X	X	X	

Basic requirements



Usually requested



BRE Group

Bucknalls Lane,
Watford,
WD25 9XX

T +44 (0)1923 664000
E enquiries@bre.co.uk
W www.bre.co.uk