



EUROPEAN COMMISSION
ENTERPRISE DIRECTORATE-GENERAL

Conformity and standardisation, new approach, industries under new approach
Construction

Construct
01/472
Rev 1

SCC consulted at the 52th meeting (22-23th of May 2001)

ADDENDUM TO :

MANDATE TO CEN/CENELEC
CONCERNING THE EXECUTION OF STANDARDISATION WORK
FOR HARMONISED STANDARDS ON

M 100 - Precast concrete products

This addendum modifies the original mandate in the following manner :

- The product “non-loadbearing wall elements” shall be added of the mandate **PRECAST CONCRETE PRODUCTS**, such that it shall read as shown in Annex A below
- The intended use concerned is 4/33 (External walls - including cladding - and internal walls and partitions)
- The corresponding Commission Decision (1999/94/EC) does not need to be changed as it covers these products

ANNEX A

ADDITION TO ANNEX 1 OF MANDATE

In the column PRODUCTS FOR CONSIDERATION add “non loadbearing wall elements” after loadbearing elements.

ADDITION TO ANNEX 2 OF MANDATE

Note : not all of the characteristics shown in the following tables will be relevant for every product in a particular family or sub-family. CEN/CENELEC should select the subset of characteristics applicable to a particular product from the full set provided.

FAMILY AND SUBFAMILIES

PRECAST NORMAL/LIGHTWEIGHT/AUTOCLAVED AERATED CONCRETE PRODUCTS

Non-loadbearing wall elements Self-supporting, ceiling to floor, factory finished elements to be used in non-loadbearing walls
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TO BE USED IN

- 4/33 External walls - including cladding - and internal walls and partitions

Characteristics to be covered by the harmonised standards will be :

E R	PERFORMANCE CHARACTERISTICS *	DURABILITY
1		Y
2	Reaction to fire (<i>for elements made of LWC* and AAC**</i>) Resistance to fire (<i>for compartmentation walls</i>)	(e.g. against corrosion, freeze-thaw, water, chemicals, ..., as relevant)
3	Water vapour permeability (<i>for external walls</i>) Water permeability (<i>for external walls</i>) Dangerous substances ***	

4	<ul style="list-style-type: none"> . Compressive strength (<i>of concrete</i>) . Ultimate tensile and tensile yield strength (<i>of steel</i>) Detailing <ul style="list-style-type: none"> ✓ (<i>in case of verification by testing</i>) : <ul style="list-style-type: none"> . Resistance to horizontal loads, . Resistance to eccentric loads**** ✓ (<i>in case of verification by calculation</i>) : <ul style="list-style-type: none"> . Mechanical strength (<i>only to verify maximum horizontal and eccentric loads capable to resist, when relevant</i>) expressed in terms of: bending, tension, compression, shear, torsion or punching shear strength, as relevant; . density (<i>only for elements manufactured with LWC* and AAC**</i>) . Drying shrinkage (<i>in end use conditions and only for elements manufactured with LWC* and AAC**</i>) . Impact resistance
5	Airborne sound insulation
6	Thermal resistance

* LWG : Lightweight aggregate concrete

**AAC : Autoclaved Aerated Concrete

*** In particular, those dangerous substances defined in Council Directive 76/769/EEC, as amended

**** suspended loads with limited weight
