



EUROPEAN COMMISSION  
ENTERPRISE DIRECTORATE-GENERAL

Single Market: regulatory environment, standardisation & New Approach  
**Construction**

MANDATE TO EOTA  
CONCERNING THE EXECUTION OF HARMONISATION WORK  
FOR AN ETA GUIDELINE ON

**COLD STORAGE BUILDING KITS AND COLD STORAGE BUILDING ENVELOPE  
KITS**

RELATED TO THE FOLLOWING END USES:

**Building Works**

**FOREWORD**

*This mandate is issued by the Commission to EOTA within the context of the Council Directive 89/106/EEC of December 21, 1988 concerning construction products, hereafter referred to as "the Directive" and the Commission Decision 94/23/EC of 17 January 1994 on common procedural rules for European technical approval.*

*One of the aims of the Directive being the removal of technical barriers 'to trade in the construction field, in so far as they cannot be removed by means of mutual recognition among Member States, it seems appropriate that mandates cover, at least during a first phase of the mandating programme, construction products likely to be subject to technical barriers to trade.*

*This mandate covers the field of products or families of products that are considered innovative and for which there is neither a harmonised standard, nor a recognised national standard, nor a mandate for a harmonised standard and for which the Commission, after consulting the Standing Committee on Construction, considers that a harmonised standard cannot, or not yet, be elaborated; or when harmonised standards or recognised national standards exist, the products differ significantly from them.*

*This mandate intends to lay down provisions for the development and the quality of the ETA guidelines in order, on the one hand, to make "approximation" of national laws, regulations and administrative provisions (hereafter referred to as "regulations") possible and, on the other hand, to allow products conforming to them to be presumed to be fit for their intended use, as defined in the Directive.*

*In this respect, this mandate takes account of the basic principles prevailing in the regulations of Member States, particularly those described in chapters 3 and 4.2 of the Interpretative Documents, to which ETA guideline writers must refer. As stated by the Directive, the responsibility Member States have for construction works on their territory remains unchanged.*

*In order to fulfil the provisions of article 7.1 of the CPD the present mandate has been structured in the following way:*

*Chapter I Grounds. General conditions within the framework of the CPD.*

*Chapter II Execution of the mandate. Conditions regarding the programming, development and execution of the work on the guidelines.*

*Chapter III ETA Guidelines. Conditions regarding the content and the presentation of the ETA guidelines.*

ANNEX 1 FIELD OF  
APPLICATION

**COLD STORAGE BUILDING KITS AND COLD STORAGE BUILDING ENVELOPE KITS**

TO BE USED IN: BUILDING WORKS

FORM	MATERIALS	PRODUCTS FOR CONSIDERATION
		Col* <sup>1</sup> Storage Building Kits and Cold Storage building envelope kits:
Prefabricated members	Metal, plastic,	Metal and/or composite load-bearing members
Prefabricated panels	composite, thermal insulation materials,...	Sandwich panels (including thermal insulation) Profiles
Prefabricated components	e.g. metal, plastic, glass	Doors, windows and building hardware Fasteners
Formless	e.g. polymeric, bituminous, rubber	Jointing/sealing products (e.g. mastics)
Rigid and flexible sheets, formless	e.g. wood-based panels, plastic, metal, laminates, composites	Floor finishes
Overlapping sheets/tiles/boards	e.g. stone, brick, fibre cement, cement based, metal, timber, plastics, bituminous tiles, glass	External cladding/finishes, roofs Internal wall and ceiling linings
Rigid sheets	e.g. fibre, foamed plastics and glass, metal, timber, stone, composite, wood	
Flexible sheets	e.g. plastics, bituminous, metal	
Formless	rendering	
Flexible sheets/rolls	e.g. organic and inorganic fibres, paper, rubber, plastics, bituminous, composite	Water vapour and air barriers
Prefabricated components	e.g. wood, metal	Stairs (when part of the structure, for kits of two or more levels)
Pipes and related products	e.g. plastics, metals	Component for roof drainage systems Conduits/ducts

## ANNEX 2

### TECHNICAL TERMS OF REFERENCE

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

---

#### COLD STORAGE BUILDING KITS AND COLD STORAGE BUILDING ENVELOPE KITS

---

TO BE USED IN: BUILDING WORKS

#### FAMILY AND SUBFAMILIES

COLD STORAGE BUILDING KITS AND COLD STORAGE BUILDING ENVELOPE KITS	
<p>This guideline covers those industrially prepared kits, marketed as a building or a building envelope, that are made of pre-designed and prefabricated components intended for production in series. The kits are assembled according to pre-designed technical solutions for joints and construction details. The technical equipment (e.g. cooling systems) is excluded.</p>	
<p>The kits include at least all wall and ceiling panels in order for them to be assembled into an enclosed space and may incorporate the supporting members or frame (building kits) or not (building envelope kits). The structural components of a building kit may be manufactured as members, structural frames or as completely prefabricated building elements.</p>	
<p>The kits may or may not include floor panels and/or floor finishes.</p>	
<p>The kits are designed for specific internal climates expressed by temperature intervals (e.g. -i-5/+0°C; +5/-5°C; -5I-30°C), which will be specified by the ETA applicant, and declared in the ETA.</p>	

The characteristics to be covered by the ETA Guideline will be :

ER	PERFORMANCE CHARACTERISTIC	Durability
1	Mechanical resistance and stability (only for cold storage building kits)	Y
2	Reaction to fire Resistance to fire External fire performance (of the roof covering)	
3	Vapour permeability Moisture resistance Release of dangerous substances Fitness for contact with foodstuffs (Council Directive 93/43/EEC and Framework Directive 89/109 and the specific directives referred to) Water tightness	
4	Mechanical resistance (only for cold storage building envelope kits) Slipperiness (floors) Impact resistance Resistance to eccentric loads (fixtures) Safety against personal injury Safely against entrapment Safety against collapse (due to air pressure differences) Falling due to change levels or drops	
5	Airborne sound insulation Sound absorption Impact sound insulation	
6	Thermal resistance Air permeability Thermal inertia	

ANNEX 3  
ATTESTATION OF CONFORMITY

**COLD STORAGE BUILDING KITS AND COLD STORAGE BUILDING ENVELOPE KITS**

**1. Levels and classes for product performances**

- 1.1. According to article 3.2 of the CPD and Clause 1.2.1 of the IDs, a classification of product performance has been identified as the means of expressing the range of requirement levels of the works in respect of reaction to fire and of resistance to fire.

Regarding reaction to fire, EOTA is requested to follow the Commission Decision 94/61 I/EC (OJ L 241 of September 1994) and make reference to the standard(s) to be prepared under Commission mandate to CEN/CENELEC "Horizontal complement to the mandates in respect of reaction to fire" in dealing with reaction to fire in the specific Guideline for European technical approvals to be developed under this mandate.

Regarding resistance to fire, the relevant classification system is indicated in the Interpretative Document n°2 and EOTA is requested to make reference to the standard(s) to be prepared under Commission mandate to CEN/CENELEC "Horizontal complement to the mandates in respect of resistance to fire" in dealing with resistance to fire in the specific Guideline for European technical approvals to be developed under this mandate.

- 1.2. Reaction to fire and resistance to fire are risks for which the need for classification systems has been identified for the time being.

Further needs maybe identified on the basis of differences specified in Article 3.2 of the CPD, which are justified in conformity with Community law (IDs Clause 1.2.1).

Where for such needs it is recognised that a classification of product performance is the means of expressing the range of requirement levels of the works, the Commission will give the appropriate guidance or will request EOTA to make the appropriate proposal through a modification to this mandate.

**2. Systems of attestation of conformity**

For the product(s) and intended use(s) listed below, EOTA is requested to specify the following system(s) of attestation of conformity in the relevant Guideline for European Technical Approval(s):

Product(s)	Intended use(s)	Level(s) or class(es)	Attestation of conformity system(s)
<b>Cold storage building kits and cold storage building envelope kits:</b> This system of Attestation of Conformity is to be applied to the kit as defined in the box of Annex 2 of this Mandate.	In building works	Any	1
System 1: See Annex III Section 2 Point (i), of Directive 89/106/EEC, without audit-testing of samples			

### 3. **Conditions to be applied by EOTA on the specifications of the attestation of conformity system**

3.1 The specification for the system should be such that it can be implemented even where performance does not need to be determined for a certain characteristic, because at least one Member State has no legal requirement at all for such characteristic [see Article 2,1 of the CPD and, where applicable, clause 1.2.3 of the Interpretative Documents]. **In** those cases the verification of such a characteristic must not be imposed on the manufacturer if he does not wish to declare the performance of the product in that respect.

3.2 For products under system 1, regarding the initial type testing of the product, [see Annex m.l.a) of the CPD] the task for the approved body will be limited to the assessment of the following characteristics:

**All** characteristics (*where relevant*)

3.3 For products under systems 1, regarding the continuous surveillance, assessment and approval of the factory production control [see Annex ffl.1.g) of the CPD], parameters related to the following characteristics shall be of the interest of the approved body:

**AH** characteristics (*where relevant*)

3.4 For products under systems 1, for the initial inspection of the factory and of the factory production control [see Annex HLL.f) of the CPD], also parameters related to following relevant characteristics shall be of the interest of the approved body.

**All** characteristics (*where relevant*)

### 4. **Specific requirements**

4.1 The design process (including the approval of detailed plans, applications for planning permission, building permits, ...) must comply with the procedures foreseen in the Member States in which the building is to be built. This Decision on Attestation of Conformity in view of the CE marking of the kits does not amend this process in any way.

The completed building (the works) must comply with the building regulations (regulations on works) applicable in the Member States in which the building is to be constructed. The procedures foreseen in that Member State for demonstrating compliance with the building regulations must also be followed by the entity held responsible for this act. This Decision on Attestation of Conformity in view of the CE marking of the kits does not amend this process in any way.

## ANNEX 4 DANGEROUS SUBSTANCES

### COLD STORAGE BUILDING KITS AND COLD STORAGE BUILDING ENVELOPE KITS

European technical specifications must be adopted taking into account necessary legislation on substances classified as dangerous.

This results from the Interpretative Documents, where it is noted, in the introduction note to all six of them, that:

*of performance to which technical specifications will refer, shall allow the levels of protection needed by the works to be guaranteed, taking into account the purpose of the works."*

In addition, outside the scope of the Directive, writers of technical specifications must take into account legislation which affects materials to be used for construction products and which are regulated for reasons not related to the incorporation of the construction products into the works.

Guidance paper H has been elaborated by the Commission, with the title "A harmonised approach relating to dangerous substances under the construction products directive". The guidance paper makes a link to a database that contains information about Community and national provisions on dangerous substances (to be found at the Construction web site "CREATE" on EUROPA, accessed through <http://europa.eu.mt>). Specification writers should use this database as a guide but must also take account of any other relevant legislation or dangerous substances, which the database does not yet include.