Version 2021/3

CPR ACQUIS PROCESS

SUB-GROUP ON PRODUCT AREA 4:

THERMAL INSULATION PRODUCTS. COMPOSITE INSULATING KITS/SYSTEMS.

WORK PROGRAMME

FOR THE DEFINITION OF THE HIGH-LEVEL STRUCTURE OF FUTURE HARMONISED TECHNICAL SPECIFICATIONS IN THE CONSTRUCTION PRODUCT SECTOR

Date of presentation at the SG	08-06-2023
Date of beginning	

Executive Summary

The European Commission has set up an informal Expert Group to support the Commission in the work to prioritise, prepare and then revise the so-called “CPR Acquis”, which consists of harmonised standards, other technical specifications and complementary legal acts.

The group is composed of a main forum, the “Steering Group”, 36 sub-groups corresponding to the product areas identified by the CPR and up to 5 thematic sub-groups to deal with horizontal issues (e.g., environmental sustainability).

The sub-group shall operate in compliance with the “rules of procedure for the governance of the CPR Technical Acquis planning” and shall report to the Steering group in accordance with this work programme.

This work programme is proposed by the Commission and is approved after consultation with the Steering Group.

The aim is to suggest the content of the high-level structure of harmonized technical specifications including assessment methods, essential characteristics, expression of test/assessment results (inclusion of classes of performance and/or threshold levels), requirements and regulatory needs.

The work programme might lead to additional technical specifications and substantial additions/corrections to the existing ones.

The new set of harmonised technical specifications will potentially introduce additional requirements for the appropriate functioning and performance, inherent product safety, environmental impacts and sustainability of construction products. In addition, requirements responding to the information needs of different addressees (from designers to occupants) and environmental obligation for manufacturer may be introduced.

The implementation of the work programme is measured against four milestones based on specific deliverables, and a pre-determined timeframe.

The overall timeframe to implement the work programme is established in 15 months.

In case the revision of the CPR introduces additional elements that were not foreseen when drafting this document, the work programme can be amended in order to align its outcomes with the revised CPR.

1 Introduction and context

1.1 Background

As clearly identified in the CPR Evaluation report[1], the system for creating and adopting harmonised standards under the Construction Products Regulation (CPR) is in need of a substantial overhaul.

Most of the harmonised European standards for construction products currently in use have been developed as response to mandates issued under the framework of the Construction Products Directive (CPD). Therefore, they are no longer adequate to support the development of standards under the CPR. Furthermore, following the strengthened legal scrutiny of proposed standards as a consequence of the James Elliott[2] case and despite the guidance provided by the Commission, the Technical Committees have not been able to propose standards of citable quality in the last two years.

By consequence, the Commission had to reject 134 out of 208 standards and amendments proposed by CEN under the CPR due to insufficient legal quality and, specifically, in 2019 and 2020, the rate of acceptable standards has been 0%. In addition, a revision of the CPR has been announced in the Circular Economy Action plan and in the Renovation Wave, with the view to consider the introduction of sustainability criteria to support the uptake of more sustainable construction products in construction works, criteria that would eventually need to be integrated in future mandates and harmonised standards.

Therefore, in 2021, the European Commission (EC), Internal Market, Industry, Entrepreneurship and SMEs Directorate-General, has set up a group of experts “Commission Expert Group on the CPR Technical Acquis planning” in the field of the Construction Products Regulations.

A coordinating group “Steering group” and several sub-groups according to the product areas defined in the CPR or to thematic issues are to be created. Member States of the EU and of the EEA, Turkey and Switzerland have identified the priorities for reviewing the CPR Acquis based on 8 criteria. The product area 2: “Thermal insulation products. Composite insulating kits/systems” of annex IV to the CPR, subject of this work programme, is resulted as the fourth priority.

The detailed tasks of the Working Groups on product areas are established by the Commission after consultation of the Steering Group and cover several aspects, the most important is to suggest the content of the high-level structure of harmonized technical specifications including assessment methods, essential characteristics, expression of test/assessment results (inclusion of classes of performance and/or threshold levels), requirements, Member States regulatory needs and industry needs.

[1] https://ec.europa.eu/docsroom/documents/37827

[2] http://curia.europa.eu/juris/document/document_print.jsf?docid=184891&text=&dir=&doclang=EN&part=1&occ=first&mode=lst&pageIndex=0&cid=344%E2%80%A6

1.2 Overview of harmonised Technical specifications available

Under the product area 4: “Thermal insulation products. Composite insulating kits/systems.”, 32 harmonised standards (hENs) have been published in the OJEU. These hENs have been developed by CEN in response to the Mandate M/103 “Thermal insulating products”. In addition, 47 EADs result published in the OJEU.

A detailed map of all the harmonised technical specifications available for this product area is offered in Annex 3. The map also presents a view on the standards developed by CEN but not cited in the OJEU as evaluated not eligible by the European Commission.

1.3 Overview of other acts composing the CPR Acquis in this product area

Under the product area 2: “Thermal insulation products. Composite insulating kits/systems”, the following implementing measures (including those adopted under Directive 89/106/EEC) have been adopted by the European Commission:

1. Commission Decision 97/556/EC of 14 July 1997 on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards external thermal insulation composite systems / kits with rendering (ETICS) (OJ L 229, 20.08.1997, p. 14)
2. Commission Decision 1999/91/EC of 25 January 1999 on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards thermal insulating products (OJ L 29, 03.02.1999, p. 44)
3. Commission Decision 2003/312/EC of 9 April 2003 on the publication of the reference of standards relating to thermal insulation products, geotextiles, fixed fire-fighting equipment and gypsum blocks in accordance with Council Directive 89/106/EEC (OJ L 114, 08.05.2003, p. 50)
4. Commission Decision 2011/14/EU of 13 January 2011 amending Decision 97/556/EC on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards external thermal insulation composite systems/kits with rendering (ETICS) (OJ L 10, 14.1.2011, p. 5).
5. Commission Delegated Regulation (EU) 2017/959 of 24 February 2017 on the classification of horizontal settlement and short-term water absorption performance for in situ formed loose fill cellulose (LFCI) thermal insulation products under EN 15101-1 pursuant to Regulation (EU) No 305/2011 of the European Parliament and of the Council (OJ L 145, 8.6.2017, p. 1)
6. Commission Delegated Regulation (EU) 2016/364 of 1 July 2015 on the classification of the reaction to fire performance of construction products pursuant to Regulation (EU) No 305/2011 of the European Parliament and of the Council (OJ L 68, 15.3.2016, p.4)
7. Commission Decision 2001/596/EC of 8 January 2001 amending Decisions 95/467/EC, 96/578/EC, 96/580/EC, 97/176,EC, 97/462/EC, 97/556/EC, 97/740/EC, 97/808/EC, 98/213/EC, 98/214/EC, 98/279/EC, 98/436/EC, 98/437/EC, 98/599/EC, 98/600/EC, 98/601/EC, 1999/89/EC, 1999/90/EC, 1999/91/EC, 1999/454/EC, 1999/469/EC, 1999/470/EC, 1999/471/EC, 1999/472/EC, 2000/245/EC, 2000/273/EC and 2000/447/EC on the procedure for attesting the conformity of certain construction products pursuant to Article 20 of Council Directive 89/106/EEC (OJ L 209, 02.08.2001, p. 0033 – 0042)

2 Objectives and time frame

2.1 Objectives

As described in the terms of reference of the subgroup and in the background text above, the various subgroups shall, among others, suggest the content of the high-level structure of harmonized technical specifications including assessment methods, essential characteristics, expression of test/assessment results (inclusion of classes of performance and/or threshold levels), requirements and regulatory needs;

To fulfil its tasks, the subgroup has to proceed according to this work-programme. The work programme is elaborated in accordance with the CPR Acquis Guidance, which ensures a common and systematic approach of all subgroups. The work-programme is targeted in particular to define the high-level structures of future technical specifications that, ideally, can be quickly transformed into standardization requests or become the basis of a harmonised technical specification adopted as COM act.

The work programme will lead to additional technical specifications and substantial additions/corrections to the existing ones, including additional requirements for the appropriate functioning and performance, inherent product safety, environmental impacts and sustainability of construction products. In addition, (potentially) different information needs for different user groups have to be taken into consideration.

2.2 Milestones

The implementation of the work programme will be measured against milestones based on specific deliverables, and pre-determined time frame. The milestones are listed downwards, these will be documented, monitored and reported during the execution of the work programme.

I. Definition of the scope of the product areas;

II. Creation of technical boards of the sub-group (optional);

III. Prepare the content of the high-level structure of harmonized technical specifications:

   a. Basic requirements for construction work and their essential characteristics, including the identification of thresholds and classes of performance, assessment methods and the maintaining of product performance;

   b. Essential characteristics of LCA, of capability to temporarily bind carbon and of other carbon removals;

   c. Requirements ensuring the appropriate functioning and performance;

   d. Inherent product requirements;

d1) Safety product requirements
d2) Environmental product requirements

e. Product information requirements;

f. Possible conflicts with national work provisions;

g. Implementation of simplified procedures.

IV. Final consultation with observers and evaluation of all the deliverables.

The milestones may also include specific targets based on stakeholder input.

2.3 Time frame

The time frame to implement the work programme is established in 15 months.

If more time is needed to complete the work programme, the Commission can allocate up to 6 additional months to the subgroup, provided that it is clarified why the WP cannot be completed in the foreseen time frame, and it is explained which actions will be undertaken by the subgroup in order to complete the WP by the extended deadline.

Each task/milestone must be achieved within the period identified in Annex 2.

The date to start the implementation of the work programme is June 2023.

3 Execution of the work programme

3.1 Introduction

The successful development of the future harmonised technical specifications for the construction product sector will face a series of key challenges. In particular:

- The uncertainty on the outcomes of the CPR revision and on the elements that the legislator will decide to include or modify. Therefore, the focus is on what can be addressed already under the current CPR (e.g. the elements relevant for the declaration of performance).

- The high level of interdependency between certain product areas demands careful planning and phasing of activities to promote consistency of technical approach and the support of subgroups in specific product areas that might start their own work at a later stage.

- The high level of influence of national, regional, and local authorities dealing with technical aspects related to products, conditioning “de facto” the entering into national markets of construction products.

- The expectations of all actors intervening in the building process regarding the inclusion in harmonized standards of characteristics required by the market that are not expressly included in regulatory provisions of Member States.

- The work programme has to be broken down into specific tasks of focussed scope so that drafting can be undertaken by technical boards of experts with the highest levels of technical knowledge relevant to their work.

- The work is led by the Commission and the main contributors (employed in national administrations), nevertheless the involvement of observers acting as active experts or as experts offering written contribution (employed mostly in industry or representing other stakeholders) is of upmost importance in order to meet the necessary needs of different user groups.

The work programme presents realistic outcomes with realistic timescales, addressing the priorities and the regulatory needs of the Member States, the needs of industry and other stakeholders, and the legal and technical requirements of the normative Acquis.

3.2 Description of the approach

The execution of the work programme contains the identification of milestones and considers horizontal aspects that influence the outcomes. The main horizontal aspects that have been considered to determine the approach are:

- the involvement of industry and stakeholders, ensuring transparency all along the process;

- products/materials covered by multiple mandates originating potential overlaps;

- the availability of significant contributions of the participants;

- the respect of the time frame;

In order to ensure that the horizontal aspects are addressed, the following principles have been observed:

- consultation at the beginning and at the end of each milestone of the relevant industry sector and of SMEs representative;

- the avoiding of generic indication of intended use(s) originating in the market confusion regarding the functions of the products in the work and the applicability of the related harmonized technical specifications.

The work programme is composed by four milestones. As shown in annex II, tasks of specific milestones might be started and finalised in different periods (e.g certain tasks of milestone 2 may start before the Milestone 1 is fully achieved).

This has been done to enable that potential interdependencies between activities can be effectively managed, and to ensure that the work is undertaken as efficiently as possible.

The achievement of a milestone, in particular milestone III, might foresee a series of sub-milestones (Milestone III= A+B+C+D+E+F+G).

3.3 Description of the tasks

The structure of the work programme follows the list of Milestones identified in clause 2.2.

The complete and detailed work programme is presented in Annex 1. A common template has been used to set out the scope, the interdependences and the outcomes for the tasks of each Milestone.

For each task, the template defines relevant items with specific justifications provided where required. Potential risks on performing a task are also highlighted in the last column (including possible solutions).

An outline schedule (Gantt chart) for the execution of the work programme is included in Annex 2.

3.4 Organisation and coordination

The effective coordination is ensured by the Commission, experts can offer their support for the preparation of documents on a voluntary base.

Annex 1 – Detailed Work Programme

Milestone I: Definition of the scope of the product areas						
Sub-milestones: **none**						
Description of the milestone: **Identification of products placed on the market ready to be installed in construction works**						
Task Ref.	**Task name**	**Description of the task** (What is to be done)	**Interdependencies** (Including tasks carried out by other subgroups)	**Outcomes** (What are the results expected)	**Notes**	**Potential risks and solutions**
1	**Products (materials)**	Collection and analysis of notified national regulatory provisions on thermal insulating products, extracting the relevant technical and/or administrative provisions. Collection and analysis of potential Member States regulatory needs envisaging further future technical and/or administrative provisions	Identification of data and technical needs related to possible interactions with other products, functions or part of the works. Possible interactions with aspects covered by European legislations other than the Regulation (EU) 305/2011 should also be considered (e.g., Directive 2001/95/EC)	**List of products to be covered by future European harmonized technical specifications and list of national regulatory provisions**	National regulatory provisions are expected not to cover all innovative developments in this sector.	This task shall include research beyond national regulatory provisions to avoid omitting innovative products (materials). Common understanding of existing definitions has to be ensured.
2	**Forms**	Creation of a list of forms related to specific materials	-	**List of material forms related to all identified thermal insulating materials**	The terminology does not seem to always consistent in existing harmonised technical specifications – especially within the terms slab/board/panel.	A technical specification defining and describing forms can help unify all future harmonised technical specifications.
3	**Intended uses**	Identification of the specific part(s) of the work covered by the products identified as outcome of Task 1 (e.g., external walls, roofs, floors, pipes etc.)	-	**List of intended use(s) indicated when placing products on the market.**	Clear indication of the physical location(s) where products are intended to be installed in works, allowing to identify the possible effects on the product.	Possible overlaps with intended use(s) outside the Construction product sector are to be avoided.
4	**Other components of**	Identification of kit/system components other than thermal	harmonised standards and EADs for renderings, anchors, glass fibre mesh, etc.	**List of other kit/system components and their**	Different ways of placing components other than thermal on market should be investigated.	A distinction is needed between: - products made primarily for composite systems (e.g., anchors for ETICS)

	composite kits/systems	insulation and their technical specifications		**technical specifications**	The necessity of CE-marking of components needs to be investigated. The relationship between the kit/system technical specifications and the components technical specifications need to be investigated.	- products intended/possible to be used also outside composite systems (e.g., renderings)

Milestone II: Creation of technical boards						
Sub-milestones: none						
Description of the milestone: **Preparation of the working plan and definition of technical boards**						
Task Ref.	**Task name**	**Description of the task**	**Interdependencies** (including tasks carried out by other subgroups)	**Outcomes**	**Notes**	**Potential risks and solutions**
1	**Working plan**	Based on the outcomes of Milestone 1, the work plan must be prepared.	The involvement of experts offered for other product areas is to be considered for horizontal aspects (e.g. structural issues)	**The list of aspects to be delegated to technical boards.**	The Gantt chart might be adjusted in accordance to the work plan.	
2	**Definition of the technical board**	The set of technical boards is defined in accordance to the working plan. Outputs and deadlines are to be established.	None	**For each technical board the objective and the deadline is defined.**	It can be decided that in some cases no technical board is needed. Potential links to other subgroups/technical boards should be identified.	
3	**Attribution of experts to the technical boards**	A consistent number of experts representing both the States and the stakeholders is attributed to each technical board.	None	**The composition of the technical boards.**		The number of experts available might not be sufficient to create the needed set of technical boards. Potential merging of technical boards where possible

Milestone III: Prepare the content of the high level structure of harmonized technical specifications

Sub-milestones:

a. Basic requirements for construction works and their essential characteristics (E.C.), including the identification of thresholds and classes of performance, assessment methods and the maintaining of product performance;

b. Essential characteristics of LCA, of capability to temporarily bind carbon and of other carbon removals

c. Requirements ensuring the appropriate functioning and performance;

d. Inherent product requirements – Safety product requirements and Environmental product requirements;

e. Product information requirements;

f. Possible conflicts with national work provisions;

g. Implementation of simplified procedures

Description of the milestone: Technical content of future European harmonized technical specifications.

Task Ref.	Task name	Description of the task	Interdependencies (including tasks carried out by other working groups)	Outcomes	Notes	Potential risks and solutions
a.1	**BWRs and their essential characteristics**	Identification of the E.C. related to each BWR of each of the products listed in the outcome of Milestone I and for each of their intended use(s)	Verify when E.C. are also covered by another BWR Distinction to be made between finished product and components	**List of E.C. related to the relevant intended use(s).** **Crucial elements for the FPC.**	CPR review proposal 03/2022 (Article 4)	Missing characteristics due to non-availability of all relevant documents
a.2	**Classes and threshold levels**	Indication of essential characteristics of each product for which the expression of their performances is expected to be done using classes or threshold levels	1 - Identification of modifications of classes or threshold levels included in existing harmonized standards that might originate potential problems when comparing products already on the market 2 - Identification of technical reasons justifying the introduction of classes or threshold levels determining unnecessary legal obligations to manufacturers;	**1 - List of modified existing classes or threshold levels of each E.C., compared to those included in harmonized standards.** **2 - List of technical justifications supporting the introduction in E.C. of new classes or threshold levels.**	CPR review proposal 03/2022 (Article 4) 1 – Attention to definitions of class given by the CPR 2 - Attention to possible market distortions or potential unfair competition between products already on the market with declared performances of E.C. not comparable with those subject to the modified conditions	Increase the costs for all manufacturers, including SMSs, due to the need of repeating verifications for competition reasons

a.3	**Assessment methods for essential characteristics**	Identification of the availability of assessment methods (test-calculation-description-tabulated values) of performances of each essential characteristics of products indicated as outcome of task a.1	Checks of assessment methods used for the same essential characteristic of the same product/material that are indicated as being relevant by other product areas	**1 – List of E.C. for which a verification method exists** **2 - List of products E.C. of products for which the assessment method is not available in acceptable documents**	Avoid reference to non-European, national, private or sectoral documents Pay attention to consistent terminology throughout all related standards.	Reference only to European or International standards A wide variety of product shapes and materials under one "product family" may cause difficulties in establishing common assessment methods and possible requirements.
a.4	**Maintaining declared performances**	Identification of specific product requirements, other than the E.C. directly linked to BWR, that might be relevant for the maintaining of the declared performances of products or materials placed on the market when incorporated into works.	Product requirements in item c.1	**List of the identified aspects and provision to be taken.**	Attention to aspects and conditions appropriate to the intended use(s) of products and/or materials, influencing the declared performances, separating the related manufacturer's responsibilities from those assigned to work designers	Possible interference with national building codes
b.1	**Essential characteristics related to LCA and carbon, and their assessment**	Preparation to the assessment of product environmental and sustainability performance	Sustainable Products Initiative and CPR revision. Consideration of all intended use(s) intended use of all products belonging to the area code.	**Cornerstones and/or scenarios for sustainability assessment**	CPR review proposal 03/2022 (Part A, Point 2) Attention to the outcomes of SPI. Focus on the characteristics listed in Annex 5 to the CPR Acquis guidance.	Missing alignment with the European environmental policy National legislation not developed yet in some member states
c.1	**Requirements and verification methods for appropriate functioning and performance of products**	Identification of product requirements to ensure that the products function properly and the performances are maintained.	Identification of detrimental aspects caused by interactions with surrounding construction elements and/or conditions	**List of product requirements related to functioning and maintaining the performances**	CPR review proposal 03/2022 (Article 5, Part B) Comparison with MS requirements related to works	Impossibility of using products or materials in case of MS requirements related to works conflicting with declared performances

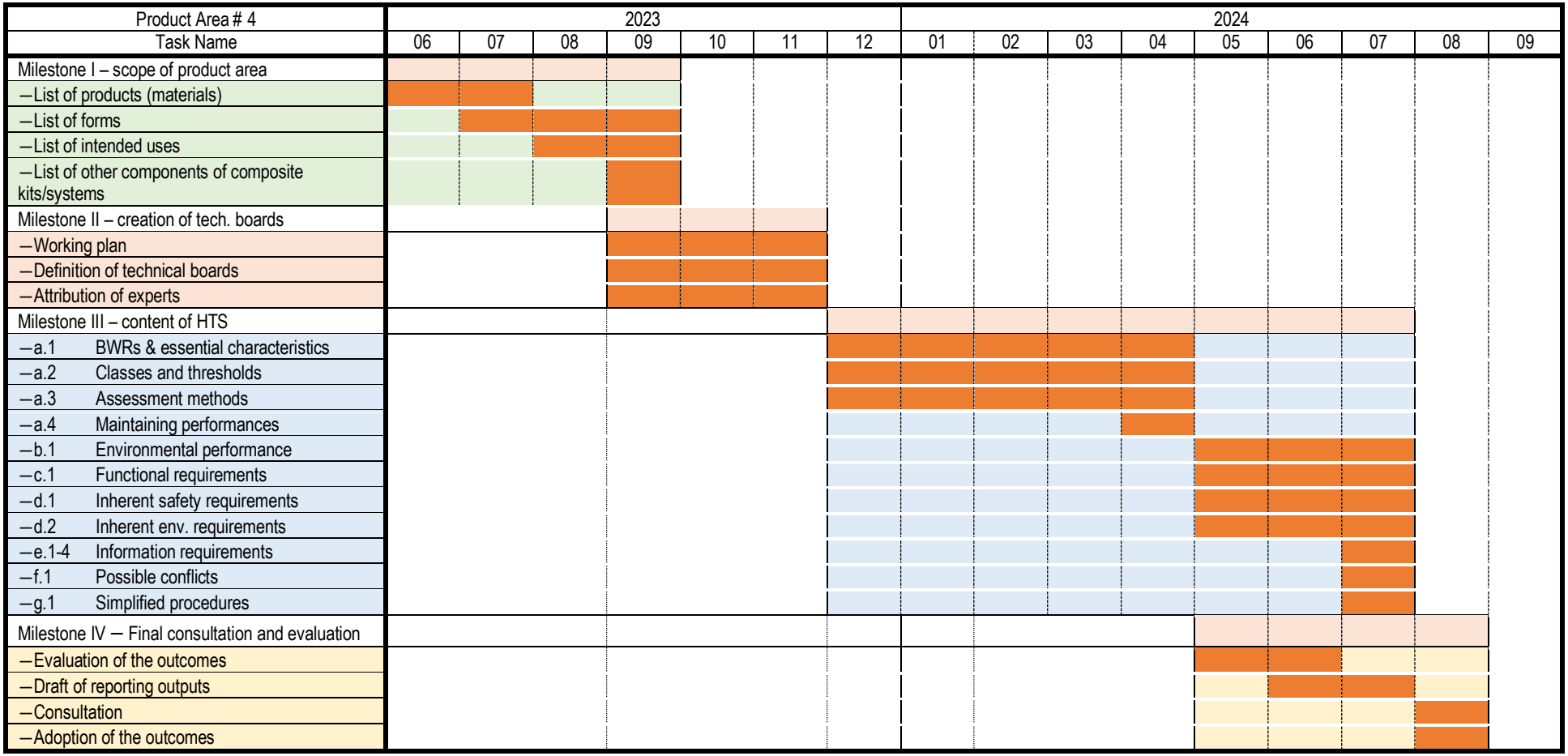
d.1	**Inherent safety product requirements**	Identification of inherent product safety requirements	Issues aimed at avoiding potential detrimental effects to transporters, workers, installers, consumers, occupants	**List of product inherent safety requirements**	CPR review proposal 03/2022 (Part C, Point 1) Attention to the risks indicated in Part C of the CPR Acquis guidance (where relevant).	Care to separate risks related to product from risks related to construction works
d.2	**Inherent environmental product requirements**	Identification of aspects related to the life cycle of products, covering: - extraction of raw materials - manufacturing of products - maintenance - recyclability - disposal	Consideration of all intended use(s) intended use of all products belonging to the area code	**List of product requirements related to the environment**	CPR review proposal 03/2022 (Part C, Point 2) Attention to the aspects indicated in Part D of the CPR acquis guidance (where relevant).	Missing achievement of a high level of protection of the environment according to Article 114 TFEU.
e.1	**Product Information requirements**	Identification of target groups	Consideration of all the relevant intervening actors of the building process	**List of the relevant target groups**	CPR review proposal 03/2022 (Part D) Consideration of the operators listed in Part G.I of the CPR Acquis guidance (where relevant).	Incomplete information addressed to building operators
e.2		Identification of quality and quantity of the content of the information	Consideration of the peculiarities of the products. (e.g. information are needed related to installation, dismantling, performance, etc.)	**Set up individual modules containing the relevant information for each individual target group listed in the outcome of g.1**	Consideration of the issues explained in Part G.II.1 of the CPR Acquis guidance (where relevant).	Identification of the content of the information
e.3		Indication of the place where the information is/should be available	Consideration of the peculiarities of the products.	**Specification regarding the location where the information is available**	More detail are given in Part G.II.2 of the CPR Acquis guidance.	Lack of completeness of European technical specifications
e.4		Determination of the information aspects to be covered	Consideration of the peculiarities of the products.	**Detailed indication of the content of the information to be provided**	The aspects listed in Part G.II.3 of the CPR Acquis guidance must be considered.	Incomplete information addressed to building operators

f.1	**Mitigation of possible conflicts with national work provisions**	Identification of national provisions established for works that potentially conflict with the provisions related to intended use(s) of products envisaged by manufacturers	Consideration of the specific intended use of all products belonging to the same area code	**List of work provisions potentially conflicting with product provisions and proposals for solutions**	CPR review proposal 03/2022 (Articles 7.3, 7.4, 7.5) Analysis of aspects related to the relevant intended use(s)	National provisions for works prevail provisions envisaged for products by manufacturers
g.1	**Implementation of simplified procedures**	Definition of the necessary Appropriate Technical Documentation allowing for: - cascading of assessment results - declaration without testing or calculation	All existing legal acts on "deem to satisfy" performance of product families Existing harmonised standards	**Cornerstones and minimum extent of the Appropriate Technical Documentation**	CPR review proposal 03/2022 (Article 64)	Input conveyed from SMEs must be available to consider real scenarios
		Definition of the necessary Specific Technical Documentation allowing for: - demonstration of compliance of the product	Existing harmonised standards	**Cornerstones and form of the Specific Technical Documentation**	CPR review proposal 03/2022 (Article 65)	

Milestone IV: Final consultation with observers and evaluation of all the deliverables.						
Sub-milestones: none						
Description of the milestone: **Final consultation on the outcomes and draft of the final report.**						
Task Ref.	**Task name**	**Description of the task**	**Interdependencies** (including tasks carried out by other subgroups)	**Outcomes**	**Notes**	**Potential risks and solutions**
1	**Evaluation of the outcomes**	The subgroup shall assess the outcomes of Milestone III, and address situations where a task has not be performed or has not been performed satisfactorily.		**Evaluation of the outcomes / Review of the outcomes / conduct further implementation of certain tasks.**	It is not needed that all the tasks of milestone III are achieved. In fact, this task can start as soon as the first outcomes of milestone III are delivered.	If during the implementation of the WP, the revision of the CPR has included aspects overlooked by this WP, those aspects must be addressed before the WP is completed.
2	**Draft of reporting outputs.**	The outcomes must be reported in a clear and transparent way.	Reporting models must be prepared by the Commission in advance.	**Outcomes reports.**	This task can start as soon as the first outcomes have been evaluated.	
3	**Consultation**	A broader consultation with stakeholders and even more precise target groups is conducted based on the outcomes.	The consultation should occur when Milestone III is fully achieved, outcomes are evaluated and reporting models are all filled.	**Endorsement of the outcomes.**		Target groups might not be satisfied with some of the outcomes. In this case, where their objections are considered justified (improvements balance impacts of delayed deliveries) the objections should be addressed.
4	**Adoption of the outcomes.**	The Commission adopts the outcomes of the work programme. The outcomes are sent with a final report to the Steering Group and other interested subgroups.		**Final report on the work programme that include all the outcomes presented by means of the reporting model.**		The number of diverging positions is significant. The final report must detail on the reasons behind the diverging views.

Annex 2

Gantt-chart



Annex 3

Overview of harmonised Technical specifications available

Table 1 – European harmonized technical specifications

hEN/EAD number	hEN/EAD title
EN 13162:2012+A1:2015	Thermal insulation products for buildings – Factory made mineral wool (MW) products – Specification
EN 13163:2012+A1:2015	Thermal insulation products for buildings – Factory made products of expanded polystyrene (EPS) – Specification
EN 13164:2012+A1:2015	Thermal insulation products for buildings – Factory made products of extruded polystyrene foam (XPS) – Specification
EN 13165:2012+A2:2016	Thermal insulation products for buildings – Factory made rigid polyurethane foam (PU) products – Specification
EN 13166:2012+A2:2016	Thermal insulation products for buildings – Factory made products of phenolic foam (PF) – Specification
EN 13167:2012+A1:2015	Thermal insulation products for buildings – Factory made cellular glass (CG) products – Specification
EN 13168:2012+A1:2015	Thermal insulation products for buildings – Factory made wood wool (WW) products – Specification
EN 13169:2012+A1:2015	Thermal insulation products for buildings – Factory made expanded perlite board (EPB) products — Specification
EN 13170:2012+A1:2015	Thermal insulation products for buildings – Factory made products of expanded cork (ICB) – Specification
EN 13171:2012+A1:2015	Thermal insulation products for buildings – Factory made wood fiber (WF) products – Specification
EN 14063-1:2004	Thermal insulation products for buildings – In-situ formed expanded clay lightweight aggregate products – Part 1: Specification for the loose-fill products before installation
EN 14064-1:2010	Thermal insulation products for buildings – In- situ formed loose-fill mineral wool (MW) products – Part 1: Specification for the loose-fill products before installation
EN 14313:2009+A1:2013	Thermal insulation products for building equipment and industrial installations – Factory made polyethylene foam (PEF) products – Specification
EN 14314:2009+A1:2013	Thermal insulation products for building equipment and industrial installations – Factory made phenolic foam (PF) products – Specification
EN 14315-1:2013	Thermal insulating products for buildings – In- situ formed sprayed rigid polyurethane (PUR) and polyisocyanurate (PIR) foam products – Part 1: Specification for the rigid foam spray system before
EN 14316-1:2004	Thermal insulation products for buildings - In-situ thermal insulation formed from expanded perlite (EP) products - Part 1: Specification for bonded and loose-fill products before installation
EN 14317-1:2004[1)]	Thermal insulation products for buildings - In-situ thermal insulation formed from exfoliated vermiculite (EV) products - Part 1: Specification for bonded and loose-fill products before installation
EN 14303:2009+A1:2013	Thermal insulation products for building equipment and industrial installations – Factory made mineral wool (MW) products – Specification
EN 14304:2009+A1:2013	Thermal insulation products for building equipment and industrial installations – Factory made flexible elastomeric foam (FEF) products – Specification
EN 14305:2009+A1:2013	Thermal insulation products for building equipment and industrial installations – Factory made cellular glass (CG) products – Specification
EN 14306:2009+A1:2013	Thermal insulation products for building equipment and industrial installations – Factory made calcium silicate (CS) products – Specification
EN 14307:2009+A1:2013	– Thermal insulation products for building equipment and industrial installations – Factory made extruded polystyrene foam (XPS) products – Specification

EN 14308:2009+A1:2013	Thermal insulation products for building equipment and industrial installations – Factory made rigid polyurethane foam (PUR) and polyisocyanurate foam (PIR) products – Specification
EN 14309:2009+A1:2013	Thermal insulation products for building equipment and industrial installations – Factory made products of expanded polystyrene (EPS) – Specification
EN 14318-1:2013	Thermal insulating products for buildings – In- situ formed dispensed rigid polyurethane (PUR) and polyisocyanurate (PIR) foam products – Part 1: Specification for the rigid foam dispensed system before installation
EN 14933:2007	Thermal insulation and light weight fill products for civil engineering applications – Factory made products of expanded polystyrene (EPS) – Specification
EN 14934:2007	Thermal insulation and light weight fill products for civil engineering applications – Factory made products of extruded polystyrene foam (XPS) – Specification
EN 15501:2013[1)]	Thermal insulation products for building equipment and industrial installations - Factory made expanded perlite (EP) and exfoliated vermiculite (EV) products - Specification
EN 15599-1:2010	Thermal insulation products for building equipment and industrial installations - In-situ thermal insulation formed from expanded perlite (EP) products - Part 1: Specification for bonded and loose-fill
EN 15600-1:2010[1)]	Thermal insulation products for building equipment and industrial installations - In-situ thermal insulation formed from exfoliated vermiculite (EV) products - Part 1: Specification for bonded and loose-fill products before installation
EN 15732:2012	Light weight fill and thermal insulation products for civil engineering applications (CEA) – Expanded clay lightweight aggregate products (LWA)
EN 16069:2012+A1:2015	Thermal insulation products for buildings – Factory made products of polyethylene foam (PEF) – Specification
040005-00-1201	Factory-made thermal and/or acoustic insulation products made of vegetable or animal fibres
040007-00-1201	Thermal insulation products for buildings with radiant heat reflective component
040010-00-1201	Insulation product made of expanded perlite (EPB)
040011-00-1201	Vacuum insulation panels (VIP) with factory applied protection layers
040012-00-1201	Thermal insulation board made of mineral material
040016-01-0404	Glass fibre mesh for reinforcement of cementitious or cement-based renderings
040036-00-0501	Mineral pre-coated ceiling panels
040037-00-1201	Low lambda composite boards made of mineral wool fibres and aerogel additives
040049-01-0502	Polyurethane (PU) foam mat or polyester fibre mat to be used for impact sound insulation
040057-00-1201	Thermal insulation board made of microporous silica
040065-00-1201	Thermal insulation and/or sound absorbing boards based on expanded polystyrene and cement
040083-00-0404	External thermal insulation composite systems (ETICS) with renderings
040089-00-0404	ETICS with renderings for the use on timber frame buildings
040090-00-1201	Factory-made boards and products formed by moulding of an expanded polylactic acid (EPLA) for thermal and/ or acoustical insulation
040138-01-1201	In-situ formed loose fill thermal and/or acoustic insulation products made of vegetable fibres.
040287-00-0404	Kits for external thermal insulation composite system (ETICS) with panels as thermal insulation product and discontinuous claddings as exterior skin
040288-00-1201	Factory-made thermal and acoustic insulation made of polyester fibres

040313-00-1201	In-situ formed loose fill thermal and/or acoustic insulation product made of granulated expanded cork
040369-01-1201	Insulation made of loose-fill or compound granulated expanded cork or loose-fill granulated natural cork and rubber
040394-00-1201	Factory made cellular glass loose fill
040419-00-1201	Thermal insulation board made of pressed rigid polyurethane foam
040427-00-0404	Kits for external thermal insulation composite system (ETICS) with mortar as thermal insulation product and renderings or discontinuous claddings as exterior skin
040456-00-1201	In-situ formed loose fill thermal and/or acoustic insulation material made of animal fibres
040461-00-1201	Thermal insulation product made of loose fill expanded perlite (EP)
040465-00-0404	ETICS with renderings on mono-layer or multi-layer wall made of timber
040635-00-1201	Thermal and/or sound insulation based on bound expanded polystyrene bulk material
040643-00-1201	Fiber reinforced silica aerogel thermal insulation
040650-00-1201	Extruded polystyrene foam boards as load bearing layer and/or thermal insulation outside the waterproofing
040708-00-0402	Impact sound insulation mat with additional function of rainwater drainage and protection of external waterproofing layers
040729-00-1201	Thermal insulation made of loose mineral wool
040759-00-0404	External thermal insulation composite system (ETICS) with rendering on boards based on polystyrene and cement
040773-00-1201	Expanded polystyrene foam boards as load bearing layer and thermal insulation outside the waterproofing
040777-00-1201	Cellular glass boards as load bearing layer and thermal insulation outside the waterproofing
040914-00-0404	Veture kits – prefabricated units for external wall insulation and their fixing devices
041125-00-1201	In-situ loose fill thermal and/or acoustic insulation products made of vegetable fibres to be used in floor constructions without additional load-bearing structures
041389-00-1201	Boards made of agglomerated natural cork for thermal and acoustic insulation
041559-00-1201	Thermal insulation and sound absorbing rendering/plastering
041561-00-1201	In-situ formed thermal insulation made of mineral-based foam
040005-00-1201	Factory-made thermal and/or acoustic insulation products made of vegetable or animal fibres
040007-00-1201	Thermal insulation products for buildings with radiant heat reflective component
040010-00-1201	Insulation product made of expanded perlite (EPB)
040011-00-1201	Vacuum insulation panels (VIP) with factory applied protection layers
040012-00-1201	Thermal insulation board made of mineral material
040016-01-0404	Glass fibre mesh for reinforcement of cementitious or cement-based renderings
040036-00-0501	Mineral pre-coated ceiling panels
040037-00-1201	Low lambda composite boards made of mineral wool fibres and aerogel additives

[1)] CEN suggests deleting the standard from the OJEU due to lack of experts allowing for a revision of the standard

Table 2 – candidate harmonized European standards being drafted

hEN/EAD number	hEN/EAD title
EN 15100	Thermal insulating products for buildings – In-situ formed ureafoam (UF) products – Specification
EN 15101-1	Thermal insulation products for buildings – In-situ formed loose fill cellulose (LFCI) products – Part 1: Specification for the products before installation
EN 16025	Thermal and/or sound insulating products in building construction – Bound EPS ballastings – Part 1: Requirements for factory premixed EPS dry plaster
EN 16491	Thermal insulation products for buildings – Factory made composite products – Specification
EN 16809-1	Thermal insulation products of buildings – In-situ formed products from loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads – Part 1: Specification for the bonded and loose-fill products before installation
EN 16863	Thermal insulation products for buildings – Factory made reflective insulation products (RI) – Specification
EN 16977	Thermal insulation products for buildings – Factory made calcium silicate (CS) products – Specification
EN 17140	Thermal insulation products for buildings – Factory made Vacuum Insulation Panels (VIP) – Specification

Table 3 – Adopted EADs

hEN/EAD number	hEN/EAD title
040011-01-1201	Vacuum insulation panels (VIP) with factory applied protection layers
040012-01-1201	Thermal insulation board made of mineral material
040057-01-1201	Thermal insulation board made of microporous silica
040146-00-1201	Thermal insulation for buildings made of straw bales
040179-00-1201	Factory-made products of extruded, foamed Polyethylene terephthalate (PET) for thermal and or acoustical insulation
040635-01-1201	Thermal and/or sound insulation based on bound expanded and/or extruded polystyrene bulk material
040685-00-1201	Factory-made insulation on glass fibers' support loaded with silica amorphous
040831-00-1201	Factory-made bonded foam to be used as acoustic and thermal insulation
040831-00-1201	Factory-made bonded foam to be used as acoustic and thermal insulation
040868-00-0404	Rigid polyurethane foam (PUR) elements for fastening attachment parts in thermal insulation composite systems
041094-00-1201	Open cell factory made rigid polyurethane foam (PUR) and polyisocyanurate foam (PIR) products for building equipment and industrial installations
041369-00-1201	Insulating boards made of recycled PUR (polyurethane) to be used as acoustic and thermal insulation
041499-00-1201	Polyurethane elements to be used as thermal insulation frame around the PVC-U windows
041669-00-1201	Thermal insulation board made of silica- or polyurethane-aerogel on a carrier material
041877-00-0301	Thermal insulation elements of fibre-reinforced polymer which form a thermal break between structural elements
042232-00-0503	Flexible interlayer to be used for the reduction of flanking sound transmission and/or vibration transmission in construction works

Table 4 – Former ETAGs

hEN/EAD number	hEN/EAD title
ETAG 004 (converted to EAD 040083-00-0404)	External Thermal Insulation Composite Systems with Rendering
ETAG 014 (converted to EAD 330196-00-0604)	Plastic Anchors for ETICS
ETAG 017 (converted to EAD 040914-00-0404)	Veture Kits

Table 5 – Map of all the harmonised technical specifications

Area Code	Product Area (CPR/Annex IV)	Mandate	Title of Mandate	Standards in OJEU	EADs adopted by EOTA	Cited EADs	ETAGs	EADs converting ETAGs
4	Thermal insulation products. Composite insulating kits/systems	M/103 as amended	Thermal insulation products	32	16	47	3	3