Wall-ACE

Deliverable

D7.6: Wall-ACE Workshop II

WP	**7**	**Dissemination and exploitation**
Task	**7.1**	Dissemination Activities

Dissemination level[1]	PU
Nature[2]	R

Due delivery date	31 March 2019
Actual delivery date	18 June 2019

Lead beneficiary	USTUTT
Contributing beneficiaries	all

Document Version	Date	Author	Comments[3]
V1	07/05/2019	Juergen FRICK	Creation
V2	12/06/2019	Juergen FRICK	Modification
V3	12/06/2019	Brice FIORENTINO	Validation
V4	17/06/2019	Juergen FRICK	Modification
V5	18/06/2019	Lori McElroy	Modification
V finale	18/06/2019	Sergei KRUPSKI	Validation

[1] Dissemination level: **PU** = Public, **PP** = Restricted to other programme participants (including the Commission services), **RE** = Restricted to a group specified by the consortium (including the Commission services), **CO** = Confidential, only for members of the consortium (including the Commission services)

[2] Nature of the deliverable: **R** = Report, Document, **DEM** = Demonstrator, Prototype, pilot, **DEC =** Websites, patent fillings**, O =** Other

[3] Creation, modification, final version for evaluation, revised version following evaluation, final

Deliverable abstract

This deliverable is part of the Subtask 7.1.5: Wall-ACE workshop Fairs.

A workshop gathering results of the H2020 project Wall-ACE has been organized on 16th April 2019 in Glasgow at the office of partner BRE. This workshop was a public workshop open to all stakeholders.

Deliverable Review

	Reviewer #1: Brice Fiorentino			Reviewer #2: Sergei Krupski		
	Answer	**Comments**	**Type***	**Answer**	**Comments**	**Type***
Is the deliverable in accordance with						
the Description of Action?	☒ Yes ☐ No		☐ M ☐ m ☐ a	☒ Yes ☐ No		☐ M ☐ m ☐ a
the international State of the Art?	☒ Yes ☐ No		☐ M ☐ m ☐ a	☒ Yes ☐ No		☐ M ☐ m ☐ a
Is the quality of the deliverable in a status						
that allows it to be sent to European Commission?	☒ Yes ☐ No		☐ M ☐ m ☐ a	☒ Yes ☐ No		☐ M ☐ m ☐ a
that needs improvement of the writing by the originator of the deliverable?	☐ Yes ☒ No		☐ M ☐ m ☐ a	☐ Yes ☒ No		☐ M ☐ m ☐ a
that needs further work by the Partners responsible for the deliverable?	☐ Yes ☒ No		☐ M ☐ m ☐ a	☐ Yes ☒ No		☐ M ☐ m ☐ a

* Type of comments: M = Major comment; m = minor comment; a = advice

1. Overview

Based on experiences of the first workshop (see D7.5) on 23rd January 2018 a second workshop took place on 16th April 2019 in Glasgow, UK. Focus was to share results of the Wall-ACE project and to discuss achievements with stakeholders. The external participants comprise construction engineering experts from industry, research, associations and public services. The workshop took place in premises of partner BRE in Glasgow. The flyer of the workshop is shown in fig. 1.

Fig. 1: Flyer of the workshop. Left: Introduction and content. Right: Involved Wall-ACE partners.

Overall 32 external experts (with project partners around 60) attended the workshop, including industry, academia, public services, consultants, planner and associations.

The Agenda of the workshop is listed below:

09.00 Registration, teas/coffees

09.30 Welcome & Introduction (BRE & quick-mix)

09.45 Session 1: Overview on the new Wall-ACE product family and beyond

a. New aerogel materials for insulation – experiences from European projects (Wall-ACE, HomeSkin), Brice Fiorentino, Enersens
b. External high performance insulating render, Sergei Krupski, Quick-mix
c. High performance insulation material filled bricks, Valentin Heinzinger, Leipfinger-Bader
d. Internal high performance thermal insulating plaster and thermal coating finish, Valentina Marino, Vimark
e. Insulating interior patching filler, Stéphane Thiolière, Toupret

10.35 Discussion

11.50 Coffee break

11.10 Session 2: Large scale application of solutions

a. Performance of internal plaster at test building at BRE Innovation Park@Ravenscraig, Lori McElroy, Sean Doran, BRE
b. Performance of plasters in Laboratory tests and Buildings, Stefano Fantucci, POLITO
c. Large scale test installation of products at CEA-INES, Timea Bejat, CEA
d. Certification, Life-Cycle Aspects and AMANAC cluster, Marina Stipetic, Helen Hein, USTUTT

12.00 Discussion

12.20 Closing remarks

All the presentations will be shared with the participants and are available at the Wall-ACE website: (https://www.wall-ace.eu/2019/05/09/wall-ace-hold-its-second-workshop-on-16-april-2019/).

Some pictures of the workshop are presented below:

This second workshop ensured Wall-ACE not only to disseminate its results to the expert community, but also to learn and share best practice from progress in the development of insulation materials and update knowledge regarding industry pull.




2. Survey

BRE conducted a short web-based survey with workshop participants post the workshop. The results will be soon available on the Wall-ACE Website given above. In summary, the academic and Government participants were extremely positive about the value of the workshop in signposting new research directions and future opportunities despite the fact that they accepted that the solutions were not yet cost effective and required future development. From a local authority (municipality) perspective, the materials would not (yet) be eligible for funding through UK Government Schemes for refurbishment but that was recognised as something to work towards. Again cost was highlighted as an issue.

There was particular interest from Historic Environment Scotland regarding solid wall applications in that the plaster system is lightweight and could improve thermal comfort performance as well as insulation properties. Also the hygro thermal aspects of the material were of interest.

The response from commercial participants was less positive at this stage in relation to lack of certification and market readiness, however, there was interest in terms of seeing innovation and having knowledge of new products in the pipeline.

These points echo the responses on the day as outlined below.

The breakdown of those attending (beyond the project partners) is as follows:

- Government officer/ Civil Servant – 6 persons
- Social Enterprise/ Charity – 7 persons
- Designer/ Architect – 1 person
- Housing Association – 5 persons
- Local Authority – 7 persons
- Academic – 2 persons
- Energy Company – 1 person
- Manufactures/ installers – 3 Persons
- TOTAL 32 participants

3. Conclusions

During the discussion the following points were raised which give an overview of the challenges for the participating partners.

- There is a clear need for non-combustible solutions of highly efficient insulation for high rise buildings. Wall-ACE future products could contribute.
- The market applicability for the product depends on the assessment methods to reach CE marking. It will be necessary to develop European Assessment Documents (EADs) to get European Technical Assessments (ETAs). An ETA is a documented assessment of the performance of a construction product, in relation to its essential characteristics. The ETA provides manufacturers with a voluntary way for CE marking their innovative non-standard construction product and thus bringing it to the European internal market. As an independent assessment, the ETA also contributes to create trust in the performance of the construction product related to its essential characteristics and taking into account its intended use. This will cover the internal market of the European Union. In case of Brexit BRE could guide the product developing partners to reach the British market.

- The question of applicability for historic buildings was raised by Historic Environment Scotland and a specialised planner. The indoor plaster from Vimark is based on natural hydraulic lime which could fulfil this request. The outdoor render of quick-mix is cement based, but the request from audience is welcomed and could lead in future to a new product line based on lime binders.
- It was acknowledged that some of the new products will be especially valuable for the retrofitting market, one of the great challenges in future to reduce greenhouse gas emissions from the building sector.
- Important was the information that the applicability by machine spraying is possible for the plasters and renders. The challenge is still to keep the insulating performance.
- For all future products it will be a great challenge to reach cost levels which are competitive to existing products.