



AdTech

European Harmonised Training for Adhesive Bonding Technology

U. PORTO
FEUP FACULDADE DE ENGENHARIA
UNIVERSIDADE DO PORTO



AdTech

NEWSLETTER #2



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Visit our website:
www.adtecheducation.com



Results

Update of the European Adhesive Bonder, Specialist and Engineer Profiles Curricula

Adhesive Qualification	Knowledge	Skills	Competences	EQF Level
BONDER	Factual and theoretical knowledge (basic understanding) in the field of bonding technology.	Fundamental cognitive and practical skills required to read and understand working instructions as well as production methods concerning bonded products.	Will act as the responsible person for carrying out the own bonding tasks, according to specific procedures.	4
SPECIALIST	Specialised, factual and theoretical knowledge of the principles and applicability of bonding technology.	Specialised range of cognitive and practical skills, allowing to develop solutions or choose the appropriate methods, when applying bonding technology, in common/regular problems.	Manage and supervise common or standard bonding technology applications in an unpredictable context. Take responsibility with limited autonomy for decision making in common or standard work and supervise the Adhesive bonding related personnel's tasks.	5
ENGINEER	Advanced knowledge and critical understanding of the principles and applicability of bonding technology.	Advanced problem-solving skills, including evaluation, allowing to choose the proper technical and economical solutions, when applying bonding technology, in complex and unpredictable conditions.	Manage bonding technology application in a high complex context. Act autonomously as the responsible person for decision making and definition of Adhesive bonding related personnel's tasks.	6

The update of the Adhesive Bonding Curricula includes:

- Competence Matrix for EAE, EAS and EAB
- Review of the syllabus (including new scope, learning outcomes and introduction of workload and ECVET system)
- Review of examination procedures
- New questions for examination

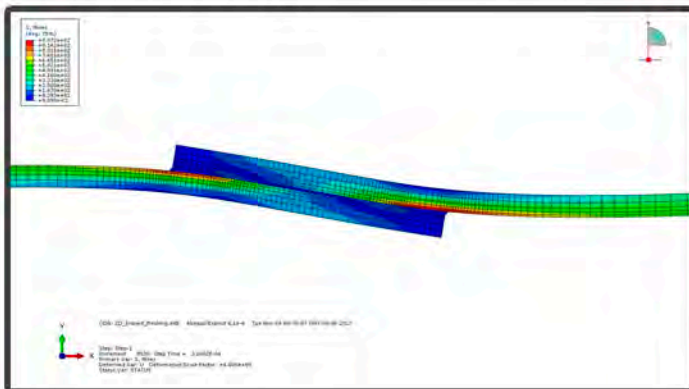
Results

National adaptation and translation of the Curricula

The Adhesive Bonding toolbox for trainer includes structuring aids, presentations and demos to support the delivery of the Adhesive bonding courses.

Example of presentation for Competence unit 3
"Construction and Design"

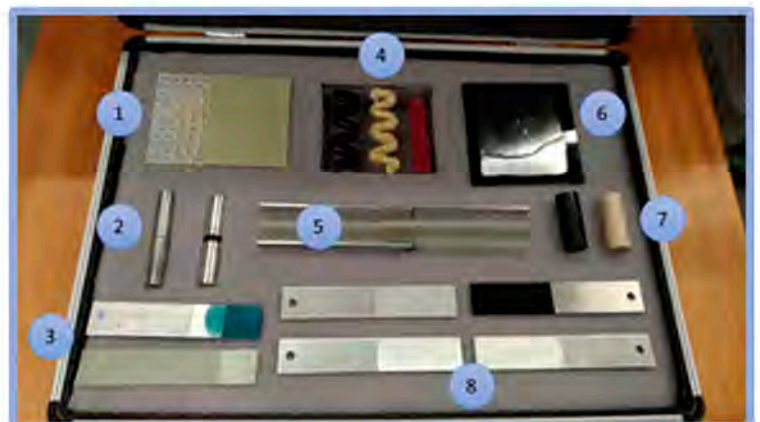
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Demonstration Kit

- 1 Bonded sandwich panel
- 2 Butt joints
- 3 Examples of fractures surfaces
- 4 Adhesive bead examples
- 5 SLJ with varied substrates
- 6 Sealant Demonstration
- 7 Bulk adhesive
- 8 Examples of aluminium surface treatments



Meetings

Fourth Meeting – Ljubljana, Slovenia, 20-21 April 2017

The consortium meeting was organised by IZV in Slovenia and counted with the participation of all project partners. The scope of the meeting was the follow-up of the project, with focus on the results to be completed until the timeline, namely the review of the EAB, EAS and EAE Curricula and the development of the trainer's toolbox. The project is successfully being managed by the coordinator, University of Porto, and there is strong commitment of the remaining consortium in order to achieve good outcomes.



Ljubljana, Slovenia, 20-21 April 2017.

Fifth Meeting – Vienna, Austria, 17 -18 October 2017

On the fifth consortium meeting the focus went into exchanging ideas regarding the preparation of next year Training/Learning activity and the Multiplier events. This was also a good opportunity to do the follow up to the achieved results. At this stage of the project, the EAB, EAS and EAE Curricula and the training tools are fully developed, translation into partner languages will now begin. Next project meeting is hosted by EWF in Porto Salvo, Portugal, the 5th and 6th April 2018.



Vienna, Austria, 17 - 18 October 2017

Events

4th International Conference on Structural Adhesive Bonding 2017 (Porto, Portugal)

On the 6th -7th July international experts of Adhesive Bonding meet for discussing structural bonding. The conference was chaired by Lucas F. M. da Silva and co-chaired by R. D. Adams (University of Oxford, UK).



Upcoming

2nd International Conference on Materials Design and Applications 2018

The conference will take place in Porto, Portugal, 5-6 July 2018 (www.fe.up.pt/mda2018) and will address fundamental research and application areas in the field of the design and application of engineering materials. The AdTECH final results will be presented during a parallel session.

Published Materials - Welding and Cutting Journal

The "AdTech" project: Adoption of adhesive bonding technologies through effective Vocational Educational Training tools. Article in W&C 16 (2017) No.5, p.282

[READ FULL ARTICLE HERE](#)



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