

Course Schedule

CAS Wood-Based Panels
Module 2: Adhesives and Emissions
5. - 9. February 2024

e-Learning

Free timing management	
From MON 12.1.	e-Learning lectures (guided self study) Topics: Introduction to adhesives and emissions

On site Week
with Hybrid Elements

	Block 1 8:30 - 10:00	Block 2 10:30 - 12:00	Block 3 13:00 - 14:30	Block 4 14:45 - 16:15
MON 5.2.	Arrival	Welcome, Organizational	Biomasses and Building Blocks (I. Mayer, BFH)	Overview Bio-based adhesives (R. Frei, BFH)
			LCA of Adhesives and Wood- Based Panels (H. Thömen, BFH)	Introduction to Material Emissions and Emission Testing (I. Mayer, BFH)
TUE 6.2.	Introduction to Group Work: Evaluation of New Adhesives (I. Mayer, BFH)	VOC: Regulation, Health effects, and Influence of Process Parameters on Product Emissions (M. Ohlmeyer, Thünen Institute)	Emissions of Wood-based Panels and Indoor Air Quality (M. Ohlmeyer, Thünen Institute)§	Influence of Process Parameters on Formaldehyde Emissions (S. Weinkötz, BASF)
WED 7.2.	Group Work	Biomass-balanced Amino Resins and Polylysine-Based Binder (S. Weinkötz, BASF)	Starch-Based Adhesives (n.n.)	5-HMF as FA replacement (n.n.)
				Lignin-Based Adhesives (I. Mayer, BFH)
THU 8.2.	Group Work	Tannin-Based Adhesives (F. Pichelin, BFH)	Fructose-HMF-Amine Adhesives (E. v. Herwijnen, Wood K Plus)	Implementantion of Bio-based Adhesives from an Industry Perspective (M. Dunky)
FRI 9.2.	Workshop Adhesive Testing In groups at BFH Research Labs (L. Olaechea, P. Tanner, M. Alizadeh, BFH)		Final Presentations and Discussions Outcome of group work	Closure
				Departure

TechPark Tour
Research Labs
at BFH

16:30 Departure
from BFH
**Curling and
Cheese Fondue**

16:30 Departure
from BFH
**Wine tasting in
Ligerz**

Legend

Welcome & Closure
Workshop
Lecture