

DVS[®]/EWF-European Adhesive Specialist

Technique-Check: 16. May 2023 12:00 - 12:30 (EST)

Theory-Unit 1: 22. May - 26. May 2023 **Remote Online**

Weekday	Time	Topic
Monday Online meeting	08:15 – 09:15	Welcome, organisational matters, introduction of participants, learning platform
	09:15 - 11:15	Basics - Adhesion and Cohesion
	11:15 - 12:15	Basics - Surface tension and wetting
Monday Self study	approx. 3 hours	Introduction
		Basics - Classes of plastics
Tuesday Self study	approx. 3 hours	Adhesives, overview and classification of adhesives
		Adhesives - Polyaddition
		Adhesives - Polyaddition - Epoxides
Wednesday Online meeting	08:15 – 11:00	Repetition: Basics, Polyaddition, Epoxides
Wednesday Self study	approx. 3.5 hours	Adhesives - Polyaddition - Polyurethanes
		Adhesives - Polycondensation
Thursday Self study	approx. 3 hours	Adhesives - Polymerisation
Friday Online meeting	08:15 - 11:00	Repetition: Adhesives - Polyurethanes, Polycondensation, Polymerisation

DVS[®]/EWF-European Adhesive SpecialistTheory-Unit 2: 5. June - 9. June 2023 [Remote Online](#)

Weekday	Time	Topic
Monday Self study	approx. 4.5 hours	Adhesives - Physically hardening adhesives
		Adhesives - which do not solidify / combined curing mechanism
		Bonding properties of metals
Tuesday Online meeting	08:15 – 10:00	Repetition: Adhesives - Physically hardening adhesives, which do not solidify / combined curing mechanism, bonding properties metals
Tuesday Self study	approx. 2.5 hours	Bonding properties of plastics
		Bonding properties of glass
Wednesday Self study	approx. 3.5 hours	Bonding properties of fibre reinforced plastics (FRP)
Thursday Online meeting	08:15 - 10:00	Repetition: bonding properties of plastics, glass, FRP
Thursday Self study	approx. 2 hours	Surface treatment I
Friday Self study	approx. 3 hours	Surface treatment II
Friday Group work		Surface treatment

DVS[®]/EWF-European Adhesive SpecialistTheory-Unit 3: 12. June - 16. June 2023 **Remote Online**

Weekday	Time	Topic
Monday Self study	approx. 3 hours	Processing of adhesives - bonding process
		Processing adhesives - types of application
		Hybrid joining
Tuesday Online meeting	08:15 – 11:00	Repetition: surface treatment, bonding process, application, hybrid joining
Tuesday Self study	approx. 2 hours	Ageing
		Quality management
Tuesday Group work		Quality assurance measures in production, bonding defects
Wednesday Self study	approx. 3 hours	Durability of adhesives
		Occupational safety and environmental protection
		Adhesive selection
Thursday Online meeting	08:15 - 10:15	Repetition: ageing, quality management, durability, safety, adhesive selection
	10:15 - 11:00	Deformation I: Thermal expansion
	11:00 - 12:45	Case study, introduction work instruction
Thursday Self study	approx. 2 hours	Creation of a work instruction
Friday Self study	approx. 3 hours	Non-destructive testing
		Destructive testing

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Presence week

10. July

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14. July 2023

Presence

Weekday	Time	Topic
Monday	08:15 – 09:30	Greeting, repetition
	09:30 – 12:30	Deformation II
	13:30 – 18:00	Practical session
Tuesday	08:15 – 09:30	Repetition of deformation, task bonding olympics
	09:30 – 12:30	Deformation III
	13:30 – 18:00	Practical session
Wednesday	08:15 – 09:30	Repetition of basics, adhesives
	09:30 – 11:00	Written examination (Part 1: Basics, adhesives, working and Environmental protection)
	11:00 – 12:30	Bonding practice: QM measures, bonding defects
	13:30 – 18:00	Practical session
Thursday	08:15 – 09:30	Repetition: Bonding properties, deformation, surface treatment
	09:30 – 11:00	Written examination (Part 2: Bonding properties, deformation, Surface treatment)
	11:00 – 12:30	Practical session
	13:30 – 16:30	Practical session
	16:30 - 18:00	Discussion on results and bonding olympics, review of all the Topics of the course
Friday	08:15 – 10:15	Written examination (Part 3: Processing of adhesives, Hybrid joining, ageing, work instructions, quality management, durability, adhesive selection, testing technique), return and discussion.
	10:15 – approx. 17:00	Oral examinations