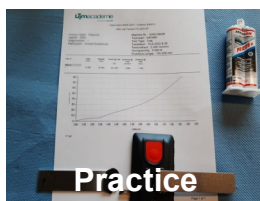


Training Course

EUROPEAN ADHESIVE BONDER

EWF 515 EAB

Complies with Level 3 according to EN ISO 21368



Lijmacademie Training Centre B.V.

European certified training courses
in industrial adhesive bonding technology

Training partner of:

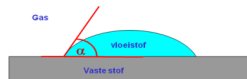


Adhesive Bonder

The European Adhesive Bonder training course participants will become Adhesive Bonder with the European recognized diploma EWF/NIL 515 EAB and meets level 3 according to EN ISO 21368. After obtaining the diploma, the participant is competent and able to:

- ◆ independently carry out adhesive bonding work based on written work instructions;
- ◆ to contribute to the quality assurance of the adhesive bonding process;
- ◆ recognize deviations and know how to deal with them, and
- ◆ can take responsibilities according to EN ISO 21368 and DIN 6701 level 3.

This training is recommended for employees who regularly prepare adhesive bonding work based on work instructions, with or without direct supervision.



Explanation of the concept of “wetting”

Purpose of the training course

The participants are trained how to use adhesive techniques in an industrial production environment. The training course provides a fundamental understanding of adhesive bonding technology, so that the special aspects of the adhesive bonding process are understood and taken into account when carrying out adhesive bonding work. The relevant coherence and importance of work instructions become clear. After successful completion of this training, the participants are able to carry out adhesive bonding work independently as a professional, in a technically responsible manner.

Duration of the training and examination

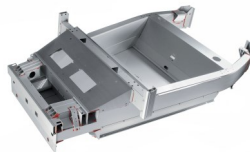
The EAB-training course is full-time and will take 40 hours in one week including the exams. To support the learning process, theory is alternated with practical exercises. The training is completed with a practical, written and oral exam. The condition for being allowed to take the exam is that participants have reasonably proven themselves during the training days.

Conditions for participation

The target group includes employees from both adhesive processing and producing companies, who independently carry out adhesive work, based on (written) work instructions. Participants must be at least 16 years old and have a good command of the Dutch (or English language, if the training is given in English), so that they understand the training material well and are also able to take the exams.

Mobile lab – In-Company training

It is also possible to complete the EAB training course at your company, including examination. Lijmacademie operates a modern mobile laboratory in which all equipment, tools and materials can be brought to your company. The client must only provide a suitable area for theory and practical training. If you are interested contact us at +31 85 303 1227



Adhesively bonded aluminium chassis of the Lotus Elise

Source: Lotus PLC Group

Content of the training

♦ **Fundamentals**

The course starts by introducing fundamental aspects of adhesive bonding technology. A comparison is made between adhesive bonding technology and other joining techniques. The integrity of bonds and the factors that influence the quality of a bond are explained using the concept of bonding forces. Participants acquire a fundamental understanding of the properties of adhesives

♦ **Adhesives**

In this section of the course the participants are familiarized with the most important types of adhesives used in industry and learn about the properties of those adhesives and their main areas of application. Emphasis is put on correct processing and on the curing conditions for different adhesive systems. These aspects are further substantiated by practical assignments.

♦ **Surface Treatment**

Customized surface treatment is vital if a bond is to function correctly and have good long-term stability. The course introduces surface treatment techniques that are normally carried out by workers as a direct part of the adhesive bonding process. Practical experiments give participants experience applying these techniques to a variety of substrates. Particular emphasis is put on the use of primers and adhesion promoters

♦ **Test methods**

In the practical part of the course adhesive bonds are created and then tested using commonly used procedures. Evaluation of the bond strengths and fracture patterns allows adhesive bond defects and their effects to be recognized, so complementing the theoretical part of the course.

♦ **Manufacturing technology**

The participants will be introduced in the fundamental aspects of manual and automatic production methods and learn to identify and avoid sources of faults and defects

♦ **Work safety and environmental protection**

Participants learn how to recognize potential dangers when working with adhesives and auxiliary materials used in bonding processes. The importance of using protective equipment and wearing protective clothing is highlighted



*Two-component adhesive
with static mixer*

Tests (EWF-exam)

The theory is examined with a written test of multiple choice and/or open questions. The practical module is also completed with a test, consisting of, among other things, a series of individually bonded test pieces for a shear test. The whole training is examined by an oral exam. If this is also successful, the participant will receive the diploma **EWF 515 European Adhesive Bonder**.

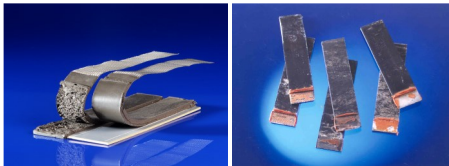


Training information

Duration of training	Total 40 hours in 5 days. This includes a practical, written and oral test.
Training costs	Euro 1.950 including teaching materials and lunch costs, however, excluding travel and accommodation costs and NIL exam fee. NIL exam fee for the EAB training is € 420 (till 09.24). Mentioned prices exclude VAT
Training data	<p><u>EWF 515 EAB 2024 week 12:</u> Monday 18th — Friday 22nd March 2024</p> <p><u>EWF 515 EAB 2024 week 16:</u> Monday 15th — Friday 19th April 2024</p> <p><u>EWF 515 EAB 2024 week 22:</u> Monday 27th — Friday 31st May 2024</p> <p><u>EWF 515 EAB 2024 week 28 (Engelstalig):</u> Monday 8th — Friday 12th July 2024</p> <p><u>EWF 515 EAB 2024 week 36:</u> Monday 2nd — Friday 6th September 2024</p> <p><u>EWF 515 EAB 2024 week 40:</u> Monday 30th — Friday 4th October 2024</p> <p><u>EWF 515 EAB 2024 week 46:</u> Monday 11th — Friday 15th November 2024</p> <p><u>EWF 515 EAB 2024 week 50:</u> Monday 9th — Friday 13th December 2024</p>
Group size: minimum of 8 participants and maximum of 12 participants.	

Register

The dates for the training courses can be found at www.lijmacademie.eu. By registering on our website you can send a message to register for one of our training courses. You can also call: +31 85 303 1227.



Adhesive test pieces for a peel test (left) and shear test (right)

More information

This training course is organized by Lijmacademie, recognized by the Dutch Institute for Welding Technology (NIL) as an EWF Approved Training Body (ATB) for the European Adhesive Bonder (EWF 515 EAB), European Adhesive Specialist (EWF 662 EAS) & European Adhesive Engineer (EWF 662 EAE) courses.

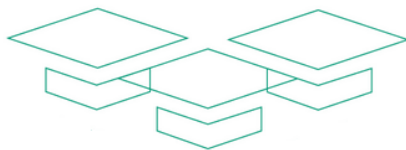


Contact

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Fraunhofer
IFAM