



Expert Asbestos Remover - 2 (DAV-2)

Practical workbook Participant

Introduction

You use this practical workbook at the company to work on your practical experience. An important part of the training for the profession of Expert Asbestos Remover (DAV).

The entire training consists of the following parts:

- Obtaining the mandatory certificates
- Obtaining the recommended certificates
- **Carrying out the practical assignments and gaining practical experience**
- Completing the module with a final assessment

In the overview you can see all the requirements associated with Expert Asbestos Remover 2 (DAV-2). The indicated certificates have been adopted by the Orsima branch as standard. In individual cases, it is possible for companies to deviate from this in a substantiated manner. You will also see which career opportunities there are within the Industrial Cleaning sector.

Expert Asbestos Remover 2 (DAV-2)
Core tasks
1. Preparation for asbestos removal activities 2. Execution of asbestos removal activities 3. Carry out decontamination procedure
Legal professional requirements
Deskundig Asbestverwijderaar 2 (DAV-2)
Industrial requirements (mandatory)
Basisveiligheid VCA Deskundig Asbestverwijderaar 1 (DAV-1) Deskundig Asbestverwijderaar 2 (DAV-2) Face-fit test Instructieprogramma Adembescherming Medical test (<i>every 3 years, asbestos test</i>)
Industrial requirements (recommended)
Batteryspray
Language requirements Dutch
'Listening' level 3 'Conversations' level 3 'Reading' level 3 'Writing' level 2
Language requirements English (recommended)
'Listening' level 2 'Conversations' level 2 'Reading' level 2 'Writing' level 2
Growth opportunities
Expert Supervisor Asbestos removal (DTA) (Assistant) Site Manager

* Description of the language levels:

1. Is able to understand and use simple messages.
2. Is able to understand frequently used expressions. Can communicate on everyday issues.
3. Is able to understand key points from clear standard texts on familiar topics. Can express himself orally in most common situations. Can describe experiences, events and opinions.

4. *Is able to understand the main idea of a complex text. Can express himself fluently and carry on a conversation without difficulty. Can write texts, can give an opinion and can argue.*
5. *Is able to understand long and difficult texts and can express himself fluently and spontaneously. Can use the language flexibly and effectively and can produce detailed texts.*

Get started with practice

This workbook contains practical assignments with which you can practice your skills. You carry out these assignments at your workplace.

During the training you will have the support of your practical supervisor. He will help you with taking steps and if you have any questions.

You can expect the practical supervisor to:

- Support you at all times
- Help you with making a study plan
- Answer your questions and consult with you
- Provide instruction on how to carry out practical assignments
- Assess assignments and indicate points for improvement
- Indicate when you are ready to take the final test

Each assignment you have completed must be signed off by your practical supervisor. You start with the introductory assignment.

Introductory assignment

What does the profession of Expert Asbestos Remover look like?

This chapter describes the profession of the Expert Asbestos Remover .

1. Read the text about the profession carefully.

What does the Expert Asbestos Remover do ?

The Expert Asbestos Remover (DAV) works for companies in the Industrial Cleaning and/or Ship Maintenance/Conservation sector. The purpose of his function is to disassemble, collect and remove asbestos-containing materials.

The work is performed on the location of the client. The work can take place outside or inside. A work area is being built in which the work can be carried out safely.

Because of its good properties, asbestos has been widely used in the past, for example in buildings. When inhaled, asbestos fibers can penetrate deep into the lungs and, in the long run, cause illnesses with often fatal outcomes. During activities related to the removal of asbestos, there is a risk that asbestos fibers will enter the breathing zone of employees and that asbestos fiber will be released to people and the environment.

Released materials must be carefully packaged and disposed of. An inventory is made of the workplace, so that it is clear in which risk class the work to be performed falls.

The DAV-1 carries out the work in a work-study program under the direct supervision of a DAV-2.

Extreme caution must be exercised in the performance of tasks, as exposure, dispersion of fibers or emissions must be avoided at all times. Most of the work is done manually.

The DAV-2 is capable of independently solving problems of limited magnitude. When carrying out his work, he must be sure that the systems he works on are switched off. He always informs and consults with the DTA or colleagues. He is responsible for the timely and safe execution of his activities.

The DAV-2 is aware of the possible consequences of its actions. He is very vigilant and immediately calls for help if needed.

What do you need to do the job well?

In order to perform well, you have to meet the following preconditions:

- You are able to understand and speak Dutch.
- You obtained the 'Basisveiligheid VCA' certificate
- You obtained the Certificate Deskundig Asbestverwijderaar (DAV-1)
- You obtained the Certificate Deskundig Asbestverwijderaar (DAV-2)
- You pass a face-fit test (annual)
- You followed the 'Instructieprogramma adembescherming' (once)
- You undergo a medical examination (every 3 years; asbestos inspection)

The industry also advises you to complete the following training:

- Batterspray
- Understanding and speaking English

In the profession of Expert Asbestos Remover you have to deal with:

- Preparing asbestos removal work
- Carrying out asbestos removal work
- Decontamination

When performing the work:

- Know when to consult with the DTA.
- Always check whether you can work safely.
- Under all circumstances, take into account all guidelines, procedures and strict safety regulations.

Collect contact information*

2. Fill in the contact details.

Personal information

First name:

Last name:

Date of birth:

Company data

Company name:

Name of practical supervisor:

Phone number / Email address:

** This information is only used to support the execution of the module and to be able to issue a certificate as proof of passing this module.*

Create a step-by-step plan

To become an experienced Expert Asbestos Remover (DAV-2) you have to perform the work a number of times. This way you gain more and more work experience, and you know increasingly well what to do at what time.

Before you start work you will receive an instruction from the practical supervisor. When you have performed the work, the practical supervisor will give you feedback. This way, you will learn step by step to perform the work independently and well.

The step-by-step plan helps to consciously take learning steps. The mentor or company draws up the step-by-step plan. The practical supervisor will help you with the implementation of the step-by-step plan. You perform each practical assignment at least three times. The practical supervisor will indicate when it is sufficient.

There are a total of 6 different assignments.

1. Preparing for asbestos work
2. Building containment
3. Perform decontamination procedure
4. Perform decontamination procedure in transit
5. Remove asbestos-containing materials
6. Packaging material containing asbestos

3. Complete the step-by-step plan part 1.

- Determine a week in which you will start.
- Think about how many assignments you will do in one week.
- Agree with the practical supervisor when he assesses and gives feedback.

Step-by-step plan part 1 – Name:

Schedule Date/week	Assignment	Done yes/no	Assessed yes/no	Sufficient yes/no
	First time 1. Preparing asbestos work			
	First time 2. Build containment			
	First time 3. Carry out decontamination procedure			
	First time 4. Carry out decontamination procedure in transit			
	First time 5. Removal of asbestos-containing materials			
	First time 6. Packing asbestos-containing material			
	Feedback/assessment moment			
Schedule Date/week	Assignment	Done yes/no	Assessed yes/no	Sufficient yes/no
	Second time 1. Preparing asbestos work			
	Second time 2. Build containment			
	Second time 3. Carry out decontamination procedure			
	Second time 4. Carry out decontamination procedure in transit			
	Second time 5. Removal of materials containing asbestos			
	Second time 6. Packaging material containing asbestos			
	Feedback/assessment moment			

Schedule Date/week	Assignment	Done yes/no	Assessed yes/no	Sufficient yes/no
	Third time 1. Preparing for asbestos work			
	Third time 2. Building containment			
	Third time 3. Perform decontamination procedure			
	Third time 4. Perform decontamination procedure in transit			
	Third time 5. Removal of asbestos-containing materials			
	Third time 6. Packing asbestos-containing material			
	Feedback/assessment moment			

Also make a step-by-step plan for the mandatory certificates.

- How long does the training take?
- When can you start the training?
- How much time do you need to prepare for the exam?
- When can you take the exam?

4. Complete the step-by-step plan part 2.

Step-by-step plan part 2 – Name:			
Schedule Date/week	Basisveiligheid VCA	Done yes/no	Sufficient yes/no
	Training started		
	Education completed		
	Exam done		
Schedule Date/week	Deskundig Asbestverwijderaar (DAV-1)	Done yes/no	Sufficient yes/no
	Training started		
	Education completed		
	Exam done		
Schedule Date/week	Deskundig Asbestverwijderaar (DAV-2)	Done yes/no	Sufficient yes/no
	Training started		

	Education completed		
	Exam done		
Schedule Date/week	Instructieprogramma adembescherming	Done yes/no	Sufficient yes/no
	Training started		
	Education completed		
	Exam done		

And of course you can also include one or more recommended certificates in the step-by-step plan.

- How long does the training take?
- When can you start the training?
- How much time do you need to prepare for the exam?
- When can you take the exam?

5. Complete the step-by-step plan part 3.

Step-by-step plan part 3 – Name:			
Schedule Date/week	Batterspray	Done yes/no	Sufficient yes/no
	Training started		
	Education completed		
	Exam done		

Assignment 1. Preparing asbestos work

Description

You will receive an assignment for the performance of asbestos work from an Expert Asbestos Removal Supervisor (DTA). You read the assignment and check whether you understand the assignment. You ask questions to the DTA about the things that are not clear. You assess which materials are needed to carry out the work safely.

Preparation

You read through the assignment and find out whether you have understood everything. You ensure that you have the correct certificates with you.

1. You receive the order from the DTA and read it through.

Check:

- √ Own role
- √ Location details
- √ Required materials and tools
- √ Certificates verified by DTA

2. You ask questions to the DTA and check whether you have understood the assignment correctly.

Check:

- √ Explanation assignment to DTA
- √ Asked questions
- √ Got a clear answer

Performance

You determine which materials and resources you need for the execution of the work and you cordon off the location.

1. You collect necessary materials and resources.

Check:

- √ Auxiliary materials
- √ Personal protective equipment

2. You demarcate the location.

Check:

- √ Warning signs posted
- √ Markings applied
- √ Deposits applied

Completion

You check whether the work can be performed safely.

1. You check the regulations and preconditions.

Check:

- √ Work can start safely

2. You report to the DTA.

Check:

- √ Reporting choices made
- √ Listing of found details

Assignment 2. Building containment

Description

You will help build a containment. You choose the right materials for this and ensure that the containment is airtight. You connect the negative pressure equipment in the right way and ensure the right negative pressure and ventilation rate. You check the filter resistance of the negative pressure machine. Once the containment has been built, the asbestos work can start safely.

Preparation

You check whether the right materials and equipment are available for building a containment.

1. You check the available materials.

- √ Materials available
- √ Correct materials for work to be performed
- √ Materials in good condition

2. You check the available equipment.

- √ Equipment available
- √ Proper equipment for work to be performed
- √ Equipment safe and approved

Performance

You help build the containment.

1. You cordon off the workplace in accordance with the requirements.

Check:

- √ Workplace cordoned off
- √ Guidelines and requirements followed

2. You connect the equipment.

Check:

- √ Equipment connected
- √ Procedures followed

Completion

You check the filter resistance and the negative pressure value in the containment.

1. You check the filter resistance of the negative pressure machine.

Check:

- √ Check done
- √ Any necessary measures taken
- √ Vacuum machine ready for commissioning

2. You check the negative pressure value in the containment.

Check:

- √ Suppress OK
- √ Check done
- √ Any necessary measures taken

Assignment 3. Carry out decontamination procedure

Description

To prevent asbestos fibers from escaping the work area, you must carry out the decontamination procedure when entering and leaving the work area. You get to the work area through a clean room, a shower room and the dirty hold.

When leaving the work area, go from the dirty hold through the shower room to the clean room. You check respiratory protective equipment, you carry out a 'fit leak test' and you put on different clothing.

Preparation

Before starting work, you check the decontamination unit and the water management system for correct operation.

1. You check the decontamination unit.

Check:

- √ Linked to the shielded work area
- √ Meets the requirements
- √ Area marked with lines and signs
- √ Check inspection mobile unit
- √ Check if grilles are open (inside for flow in unit)

2. You check the water management system.

Check:

- √ System properly connected
- √ Meets the requirements
- √ Inspection sticker NEN 3140 (for the electrical part of the trailer)
- √ Legionella control in case of wet water management (see certificate)

Performance

You enter the work area, through the clean room and the shower room.

1. You check the respiratory protection device.

Check:

- √ Correct filters present
- √ No contamination on material
- √ No flaws
- √ Inspection date

2. You change.

Check:

- √ Clothes off and jewelry off
- √ Put on (disposable) clothes
- √ Respirator set up
- √ Fit leak test performed

3. You go to the dirty hold through the shower room.

Check:

- √ Shower room door closed
- √ Putting on rubber safety boots in a dirty hold
- √ Go to work area and close dirty hold door

Completion

You leave the work area after performing asbestos removal work.

1. You go from the work area to the dirty room.

Check:

- √ Door to work area closed
- √ Dust removed from clothes with a vacuum cleaner equipped with HEPA Filter
- √ Safety boots off
- √ Undressing, except respiratory protection

2. You go to the shower room.

Check:

- √ Close the door to the dirty hold
- √ Rinse yourself completely clean
- √ Respirator rinsed

3. You go to the clean room.

Check:

- √ Close the door to the shower room
- √ Dry off and get dressed
- √ Dry off respiratory protection
- √ Close door after leaving clean room
- √ No asbestos fibers released

Assignment 4. Carry out decontamination procedure in transit

Description

To prevent asbestos fibers from escaping the work area, you must carry out the decontamination procedure when entering and leaving the work area. In this assignment you perform the procedure in transit.

Transit is only used if the decontamination unit (deco unit) cannot be connected to the work area and may only be used for tightly bound asbestos remediation.

You walk (with your dirty clothes) from the work area through another (clean) room to the deco unit. Connected to the work area is a transit lock with two compartments, a dirty hold and a clean room. You go to the dirty hold and take off your clothes. Then you go to the clean room and put on new clothes. There you also clean your visor / make it dust free. After these actions, you walk (under the guidance of a colleague (DTA or DAV) from the transit lock to the deco unit. You shower in the deco unit.

Preparation

Before starting your work, you check the transit lock, the decontamination unit, the water management system and the negative pressure units for correct operation.

1. You check the decontamination unit.

Check:

- √ Operation is OK
- √ Tools available in dirty hold
- √ Transit overall in a clean room

2. You check the water management system.

Check:

- √ System properly connected and tested

3. You check the transit lock.

Check:

- √ Transit route as short as possible and cordoned off with signs
- √ Pressure OK
- √ Walking direction clearly marked (stickers on the entrance)

Performance

You enter and leave the work area through the transit lock. In the transit lock you change clothes and clean the mask. With clean clothes you will be accompanied by a colleague from the work area to the deco unit.

1. Check the respiratory protection equipment in the clean room.

Check:

- √ Correct filters present
- √ No contamination on material
- √ No flaws

2. You change.

Check:

- √ Clothes off and jewellery
- √ Put on (disposable) clothing
- √ Leave the clean room

3. You go to the transit lock.

Check:

- √ Respiratory protection equipment put on
- √ 'Fit leak test' performed
- √ Leave transit footwear in the clean area of the transit lock
- √ Put on safety boots in dirty room or work area
- √ No asbestos fibers released

Completion

You leave the work area after carrying out asbestos removal work and clean yourself in the deco unit.

1. You go from the work area to the dirty hold of the decontamination unit.

Check:

- √ Dust removed from clothing with HEPA vacuum cleaner
- √ Safety boots off
- √ Undress, except respiratory protection
- √ Dirty clothing put in asbestos waste bag

2. You clean yourself in the dirty hold.

Check:

- √ Wet clean hands and full face mask
- √ Dwell time is long enough

3. You go to the clean room.

Check:

- √ Put on clean transit overalls
- √ Put on transit footwear
- √ Dwell time is long enough

Assignment 5. Removal of asbestos-containing materials

Description

You will be carrying out asbestos removal work. This might be in an outdoor or an indoor situation. In the outdoor situation there are fewer procedures that you have to follow carefully.

You read the work instruction and collect the materials and necessary tools. You choose the working method that matches the type of pollution. You make sure that you remove the asbestos according to the correct rules and that you produce as little waste as possible. You make sure that you always work safely and that there are no safety risks for yourself and those around you. After removing the asbestos, pack the waste according to the guidelines, so that it can be safely disposed of.

Preparation

You read the work plan and choose the work method that suits the outdoor or indoor situation.

1. You choose the right working method and aids and tools.

- √ Working method chosen
- √ Resources collected
- √ Tools collected
- √ PPE in order

2. You consult with the DTA whether the preparation has been carried out properly.

- √ Reporting on choices
- √ Permission from DTA to start work

Performance

You remove the asbestos-containing material according to the rules and with the use of the right tools.

1. You carry out the cleaning work.

Check:

- √ Proper use of tools
- √ Worked low-emission
- √ Safety guaranteed

2. You follow instructions and regulations.

Check:

- √ You work accurately
- √ You work at a good pace
- √ You keep the workplace orderly and tidy

Completion

You collect the waste and pack it in such a way that it can be safely disposed of.

1. You collect the waste and pack it safely.

Check:

- √ Waste collected
- √ Waste packed according to procedure
- √ Waste ready for transport

Assignment 6. Packaging materials containing asbestos

Description

After carrying out asbestos removal work, collect the waste and ensure that it is properly packed. You follow the procedures so that no asbestos fibers can escape. After the waste has been packed, move it from the work area through the lock to the place where it can be removed from. You place the packaged waste in the waste lock in a correct and safe manner, so that it can be removed from the lock on the clean side of the shower area.

Preparation

You determine the type and size of the asbestos-containing waste and you choose the right procedure for packaging and discharging.

1. You determine the correct working method based on the work plan.

- √ Type and volume of waste known
- √ Correct procedure chosen

- √ Correct packaging materials chosen

Performance

You pack the waste and prepare it for discharge.

1. You pack the waste in a safe way.

Check:

- √ Waste packed
- √ Procedures followed
- √ Check on packaging performed

2. You pack the waste and place it in the waste lock.

Check:

- √ Packaged waste placed in waste lock
- √ Procedures followed

3. You channel out the waste.

Check:

- √ Waste in the shower area of the deco unit
- √ Exterior waste bags rinsed with water
- √ Notification to supervisor that waste bag is ready in the shower

4. You follow instructions and regulations.

Check:

- √ You work accurately
- √ You work at a good pace
- √ You keep the workplace orderly and tidy

Completion

You move the packaged waste through the lock to the outdoor area in order to be able to dispose of it or have it removed.

1. You carry the packaged waste through the lock to the outdoor area.

Check:

- √ Clean side waste removed from shower area (hands only, do not enter the shower with your head)
- √ No asbestos fibers released
- √ Waste presented for disposal

Final assessment Expert Asbestos Remover

The last step to complete the practical skills is taking the final test.

In this test you show that you are capable of working in practice as an Expert Asbestos Remover (DAV-2).

You will discuss with your practical supervisor when you can take the final test.

On the day of the final test you will receive an assignment from the practical supervisor that you will carry out.

The practice supervisor and sometimes another assessor look at how you do this. They will assess your work on the following points:

Core task 1: Preparation of the asbestos removal work			
1.1 Setting up the work area	I	G	N
Takes orders from DTA. <ul style="list-style-type: none"> Shows motivation Asks for necessary information Selects the right materials and resources to carry out the work 			
Helps set up and cordon off the work area. <ul style="list-style-type: none"> Uses relevant information Handles materials and resources efficiently and consciously Performs work in accordance with applicable regulations and guidelines 			
Pays attention to own safety and the safety of others. <ul style="list-style-type: none"> Signals deviations and reports this Points out the risks of unsafe situations to others Checks own work during execution 			
1.2 Ensuring personal safety	I	G	N
Checks respiratory protective equipment. <ul style="list-style-type: none"> Knows the uses of materials and resources Checks the technical condition of the equipment Prepares equipment and tools for use 			
Takes appropriate measures to ensure safety. <ul style="list-style-type: none"> Uses the prescribed PPE Calls in the manager or colleagues if necessary Signals deviations and reports this 			
Core task 2: Execution of asbestos removal activities			
2.1 Assess the situation	I	G	N
Makes a choice for a method that fits well with the situation. <ul style="list-style-type: none"> Plans and organizes own work Prepares materials, tools and equipment for use Knows the possible uses of materials and resources 			
Knows the health risks and adjusts his actions accordingly. <ul style="list-style-type: none"> Checks the technical condition of the equipment Addresses others about unsafe and/or non-environmentally conscious behaviour Works according to safety procedures and regulations 			
Works well with others. <ul style="list-style-type: none"> Sticks to the agreements Receives feedback from colleagues Stimulates cooperation 			

2.2 Removing the low-emissions	I	G	N
Prevents the release of asbestos fibers as much as possible. <ul style="list-style-type: none"> Keeps the workplace tidy and clean Deals efficiently and consciously with the material / raw materials Works according to safety procedures regulations and work instructions 			
Takes the right measures in the event of an unexpected event. <ul style="list-style-type: none"> Acts appropriately in emergency situations Responds alertly and actively to the emergence of unsafe situations Makes suggestions for improvement to the responsible person 			
2.3 Completion of the work	I	G	N
Packs the waste safely and provide it with the correct labels. <ul style="list-style-type: none"> Collects waste/residual material and sorts it according to regulations Verifies that company and safety regulations have been followed Makes responsible use of materials and resources 			
Discharges the waste according to the applicable procedure. <ul style="list-style-type: none"> Disposes of waste/residual material in accordance with regulations Supports colleagues in solving quality problems Deals with ambiguity and uncertainty in the right way 			
Core task 3. Carry out decontamination procedure			
3.1 Carry out decontamination procedure	I	G	N
Performs the decontamination procedure correctly. <ul style="list-style-type: none"> Handles feedback from colleagues constructively Responds alertly and actively to the emergence of unsafe situations Uses materials, tools and PPE correctly 			
Performs the in-transit decontamination procedure. <ul style="list-style-type: none"> Works according to procedures and regulations Stores materials and resources in a clean and safe place Holds colleagues accountable 			
Ensures quality of work performed. <ul style="list-style-type: none"> Works accurately Evaluates the work process and makes proposals for improvement Checks the work of others during and after the performance 			
O: Insufficient G: Good N: Not observed Total assessment final test: Pass / Fail*			