FINISHINGCONSTRUCTION WORK Level II

Learning Guide-67

Unit of Competence: Handle waterproofing material

Module Title: Handling waterproofing material

LG Code: EIS FCW2 M15 LO4-LG-67

TTLM Code: EIS FCW2 M15 TTLM 0919v1

LO 4: Handle and remove waste materials

Instruction Sheet	Learning Guide # 67

This learning guide is developed to provide you the necessary information regarding the following content coverage and topics:

- Handling Waste waterproofing materials
- Identifying Hazardous material is for separate handling.
- Removing and disposing Non-toxic waste materials
- Using dust suppression procedures

This guide will also assist you to attain the learning outcome stated in the cover page.
Specifically, upon completion of this Learning Guide, you will be able to:

- Handle waste waterproofing materials and components are in accordance with material safety data sheets (MSDS) and regulatory requirements.
- Identify hazardous material is for separate handling.
- Remove and dispose Non-toxic waste materials are of using appropriate procedures.
- Use Dust suppression procedures are to minimize health risk to work personnel and others.

Learning Instructions:

1. Read the specific objectives of this Learning Guide.
2. Follow the instructions described below.
3. Read the information written in the information Sheet.
4. Accomplish the “Self-check
5. If you earned a satisfactory evaluation from the “Self-check” proceed to “Operation Sheet.
6. Do the “LAP test” (if you are ready).

Information Sheet-1	Handling Waste waterproofing materials

1.1 **Handling Waste waterproofing materials**

Waste waterproofing materials and components are handled in accordance with material safety data Handle waterproofing materials Waste waterproofing materials and components are handled in accordance with material Waterproofing: Yet another efficient use for recycled rubber. Material Handling · Intro to our Services Because old scrap tires have become one of the world's largest waste problems, society has had to get tires are also extremely valuable in creating products that waterproof foundations**.** Work instructions and operational details are obtained using relevant waste waterproofing materials and components. There are different types of wastages. These are over processing, inventory, waiting, un necessary motion and over production

Self-Check -1	Written Test

Directions; Give the short answer for the following questions**.** Use the Answer sheet provided in the next page:

1. write the types of wastages.(**5 points**)

Note: **Satisfactory rating -3 points** **Unsatisfactory - below 2 points**

You can ask you teacher for the copy of the correct answers.

Score = _____

Rating: _____

Answer Sheet

1. _____
2. _____
3. _____
4. _____
5. _____

Name: _____ Date: _____

Short Answer Questions

Information Sheet-2	Identifying Hazardous material is for separate handling

1.2 **Identifying Hazardous material.**

- To identify a substance in hazardous; check the product's container label and/or the safety data sheet (SDS) which is available from the supplier. If a product is not classified as a hazardous chemical under the Work Health and Safety is not required and therefore may not be available
- Don't take shortcuts. Handle, store, and get rid of hazardous materials safely and according to approved procedures. Never pour them down sewers or drains. Don't mix or combine hazardous materials unless you know you can do so safely

Types of hazards

1. Physical – Slippery floors, objects in walkways, unsafe or misused machinery, excessive noise, poor lighting, fire.
2. Chemical – Gases, dusts, fumes, vapors and liquids.
3. Ergonomic – poor design of equipment, workstation design, (postural) or workflow, manual handling, repetitive movement. Hazardous substances are classified based only on health effects (whether they are immediate or long term), while dangerous goods are classified according to their immediate physical or chemical effects, such as fire, explosion, corrosion and poisoning, affecting property, the environment or people.

Self-Check -2	Written Test

Directions: Give the short answer. Use the Answer sheet provided in the next page:

1. List the types of hazards? (**5 points**)
2. Is it possible to avoid wastages without kaizen? (**5 points**)

Note: **Satisfactory rating - 5 points** **Unsatisfactory - below 5 points**

You can ask you teacher for the copy of the correct answers.

Answer Sheet

Score = _____

Rating: _____

1. **a**_____
   b_____
   c_____
2. **a**_____

Name: _____ Date: _____

Short Answer Questions

Information Sheet-3	Removing and disposing Non-toxic waste materials

1.3 Removing Non-toxic waste materials

Proper disposal is important to ensure these materials don't end up polluting the air we Commercial hazardous waste and 45 gallon drums are not accepted.

Having a recycle bin for workers to toss materials will help you reduce the number of items you toss in your dumpster and reduce the waste your team creates. Items being replaced on a project, like sinks, baths and counter tops, can be placed in the recycle bin.

The following items can also be recycled mall quantity generators (SQG) can only keep their waste on–site for 180 days or 270 days if their treatment, storage, and disposal facility is more than 270 miles away. Large quantity generators (LQG) can only store their waste for 90 days without obtaining a permit as a storage facility.

This can include natural lumber, clay plaster, straw bales and mortar. Natural materials do not contain glues, coatings or processing chemicals that can release toxic gases, such as formaldehyde. Be careful of green claims – Sometimes building materials that are called “green” may not be non-toxic. Mortar are the composed of cement ,sand , lime and water ingredient’s.

Self-Check -3	Written Test

Directions: Give the short answer for the following questions. Use the Answer sheet provided in the next page:

1. Explain the proper disposal? (**2 points**)
2. List the components or ingredients used for mortar?(**4 points**)

Note: **Satisfactory rating – 4 points** **Unsatisfactory - below 4points**

You can ask you teacher for the copy of the correct answers.

Answer Sheet

Score = _____

Rating: _____

1. _____
2. _____

Name: _____ Date: _____

Short Answer Questions

Information Sheet-4	Using Dust suppression procedures

1.4 Types of dust suppression procedures in waterproofing

- Dust suppression system. Dust can be suppressed before it becomes airborne. A series of nozzles discharge a chemical compound in a fine spray to materially reduce the amount of water or other liquids necessary to saturate fly ash and eliminate dust.
- Dust control includes practices used to reduce or prevent the surface and air transport of dust during construction.
- Vacuum cleaning your home is also good to keep environment dust free. Clean flat surface with moist cloth and keep them clean. Keeping some herbal plants indoor is also help reducing dust pollution. If you plan to visit outside in more dusty environment, use of good mask will protect you from dust
- Covering: a waterproof cover fabric must block moisture of any kind from passing through the material, seams, hem, vents, pockets or any other part of the cover.
- spraying with water
- Water is one of the main inputs into a spray operation. The amount of water applied per acre is closely related to spray coverage and pesticide performance use of vacuum cleaner.

Water quality can influence the efficacy of chemicals used in spraying crops and pastures.

Self-Check -4	Written Test

Directions: Answer all the questions listed below. Use the Answer sheet provided in the next page:

1. What is the purpose of cleaning? (**6 points**)
2. Who can control the dusts? (**6 points**)

Note: **Satisfactory rating – 6 points** **Unsatisfactory - below 6 points**

You can ask you teacher for the copy of the correct answers.

Answer Sheet

Score = _____

Rating: _____

1. ----------
2. ----------

Name: _____ Date: _____

Short Answer Questions

Operation Sheet-1	Dust suppression procedures

Step 1- Identify the types of dusts?

Step 2- prepare materials to avoid dusts?

Step 3- follow how to clean the dusts?

Step 4- selects the place for dust avoidance?

LAP Test	Practical Demonstration

Name: _____ Date: _____

Time started: _____ Time finished: _____

Instructions: Given necessary templates, tools and materials you are required to perform the following tasks within -1- hour.

Task 1- Determine how to transport the dusts in a selected area?

Task2 - put the dusts on a selected area?

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key Answer

LO4. Information sheetone self check answer

1. Inventory,over processing,waiting and un nessecary motions.

2.No

LO4. Information sheet two self check answer

1 . physical.chemical and ergonomic.

LO4. Information sheet three self check answer

1. proper disposal are used to ensure materials donot end up polluting the air we commercialhazard waste.

2. cement sand,lime and water.

LO4. Information sheet four self check answer

1.cleaning is the process removing dust materials from un cleaned area.

2. All of the institutional users must be controll the dusts.

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