



**NATIONAL QUALIFICATION**

**12UY0054-3**

**PLASTER BOARD APPLIER**

**LEVEL 3**

**REVISION NO:**

**VOCATIONAL QUALIFICATION AUTHORITY**

**Ankara, 2012**

## PREFACE

This reference guide, namely National Qualification of Plaster Board Applier (Level 3) was prepared in accordance with the provisions of the “Regulation on Vocational Qualifications, Testing and Certification” issued pursuant to the Vocational Qualifications Authority (VQA) Law no 5544.

Draft Qualification was prepared by Construction Employer’s Union (INTES) based upon cooperation protocol signed on December 8<sup>th</sup>, 2009. After assessing opinions of the relevant organizations and institutions, the draft has been amended accordingly. The final draft was evaluated by the VQA’s **Construction Sector Committee**, which deemed it suitable. It was approved by the Board of Directors of the VQA through its decision no **2012/43 of May 30<sup>th</sup>, 2005** and decided to be placed within the National Qualification Framework (NQF).

We would like to extend our gratitude to all people, organizations and institutions that have expressed their opinions and contributed to the preparation, examination and verification processes of the qualification. We would like to offer it to the service of all likely beneficiaries.

Vocational Qualification Authority

## INTRODUCTION

The key criteria referred to in the national qualification preparation process, the relevant sector committees' review and the VQA's Board of Directors' approval processes are set in the Regulation on Vocational Qualification, Testing and Certification.

National qualification is defined by,

- a) Name and level of the qualification,
- b) Aim and rationale of the qualification,
- c) Vocational standard, vocational standard units or Qualification Items which form the basis for the qualification,
- d) Training and experience criteria (form, content, duration etc) necessary for the qualification,
- e) Learning outcomes necessary to acquire the qualification,
- f) Assessment procedures and principles to be applicable to in the acquisition of the qualification, minimum testing materials and assessor criteria necessary for assessment,
- g) Validity of the qualification certificate, renewal conditions, supervision of the certificate holder if deemed necessary,
- h) Institution developing the qualification and Sector Committee verifying the Qualification.

National qualifications are built according to the relevant national vocational standard if there is one or to the relevant international vocational standard if there is none at the national level.

National qualifications are set in cooperation with the below bodies

- Formal and non-formal education and training institutions,
- Authorized Certification Bodies,
- Institutions having pre-applied for certification to the authority,
- Institutions having drawn up national vocational standard,
- Vocational organizations.

12UY0054-3 PLASTER BOARD APPLIER NATIONAL VOCATIONAL STANDARD		
1	NAME OF QUALIFICATION	Plaster Board Applier
2	REFERENCE CODE	12UY0054-3
3	LEVEL	3
4	INTERNATIONAL CLASSIFICATION CODE	ISCO-08- 7123
5	TYPE	-
6	CREDIT VALUE	-
7	A) DATE OF PUBLICATION	30/05/2012
	B) REVISION NO	
	C) REVISION DATE	-
8	AIM	This Qualification is prepared for determination and certification of specifications for constructions made by using plaster boards. Accordingly, it's aimed at defining the knowledge, skills and actions of plaster board applier.
9	VOCATIONAL STANDARD(S) FORMING THE BASIS FOR THE QUALIFICATION	
	Plaster Board Applier (Level 3) National Vocational Standard – 11UMS0130-3	
10	REQUIREMENTS TO TAKE QUALIFICATION TEST	
	-	
11	STRUCTURE OF QUALIFICATION	
	<b>11-a) Compulsory Units</b>	
	12UY0054–3/A1 Occupational Health & Safety, Quality & Environment 12UY0054–3/A2 Plaster Board Application	
	<b>11-b) Elective Units</b>	
	-	
	<b>11-c) Alternatives for Grouping of Units and Additional Learning Outcomes</b>	
	-	
12	ASSESSMENT	
	<p>The assessment and evaluation for the certification in accordance with the Plaster Board Applier (Level 3) National Vocational Standard shall be carried out in the testing and certification centers or workplaces where the required working conditions are fulfilled as theoretical and practice tests. The person may take the Qualification Items separately and it's also possible that all units are given at once upon request.</p> <p>Theoretical test consists of 4-alternative multiple-choice questions, true-false questions and “fill in the blanks” questions. However, the total number of true-false and “fill in the blanks” questions shall not exceed ¼ of the total number of questions.</p>	

<b>13</b>	<b>VALIDITY OF CERTIFICATE</b>	The validity date of the National Vocational Qualification is 5 years after the date of issue.
<b>14</b>	<b>FREQUENCY OF SURVEILLANCE</b>	Minimum one performance monitoring report is prepared within the validity period for determining that the certified person's qualification is continued.
<b>15</b>	<b>ASSESSMENT METHODS TO BE FOLLOWED IN RENEWAL OF EXPIRED CERTIFICATES</b>	<p>The term of document is extended for 5 years when a case to cancel the document doesn't occur and there are no complaints regarding the said person during document validity date made to the related certification board; and the plaster board applier certifies that he has worked for a total of 18 months.</p> <p>The persons failing to certify that they work are subjected to the practice test and the certificates of succeeded candidates are extended for a period of 5 years.</p> <p>Theoretical and practice tests are performed after the expiry of extension time (10 years after the first test is performed).</p>
<b>16</b>	<b>QUALIFICATION DEVELOPMENT INSTITUTION(S)</b>	İNTES
<b>17</b>	<b>SECTOR COMMITTEE TO VERIFY QUALIFICATION</b>	Construction Sector Committee
<b>18</b>	<b>DATE AND NUMBER OF APPROVAL BY VQA BOARD OF DIRECTORS</b>	30/05/2012 – 2012/43

12UY0054-3/A1 QUALIFICATION ITEM FOR OCCUPATIONAL HEALTH & SAFETY, QUALITY & ENVIRONMENT		
1	NAME OF QUALIFICATION ITEM	Occupational Health and Safety, Environmental Protection, and Quality
2	REFERENCE CODE	
3	LEVEL	3
4	CREDIT VALUE	-
5	A) DATE OF PUBLICATION	30/05/2012
	B) REVISION NO	
	C) REVISION DATE	-
6	VOCATIONAL STANDARD(S) FORMING THE BASIS FOR THE QUALIFICATION	
Plaster Board Applier (Level 3) National Vocational Standard – 11UMS0130-3		
7	LEARNING OUTCOMES	
<p><b>Learning Outcome 1: Explains the measures required for Occupational Health &amp; safety.</b></p> <p><b>Performance Criteria</b></p> <ul style="list-style-type: none"> <li>1.1: Lists the risk factors at the working site.</li> <li>1.2: Explains how to use PPE required for Occupational Health and safety.</li> <li>1.3: Explains the actions to cause accidents and defects to cause problems.</li> <li>1.4: Lists the persons to contact in emergency cases.</li> <li>1.5: Lists the tools, equipment and means of communication to be used in case of emergency.</li> <li>1.6: Explains whether the working site is in conformity with the instructions of vocational safety specialist in terms of Occupational Health and safety or not.</li> <li>1.7: Keeps the working site clean and tidy.</li> <li>1.8: Lists the rules for working at heights in cases requiring to work at heights.</li> </ul> <p><b>Learning Outcome 2: Makes preparation and work before work.</b></p> <p><b>Performance Criteria</b></p> <ul style="list-style-type: none"> <li>2.1: Supplies the tools and equipment he shall use.</li> <li>2.2: Carries out cleaning and maintenance of the hand tools he shall use.</li> <li>2.3: Carries out manual and visual inspection of the surface to be processed.</li> <li>2.4: Carries out repair, modification and cleaning he considers as necessary in the area he shall work.</li> <li>2.5: Makes work distribution to his employees.</li> <li>2.6: Erects and removes basic scaffolds required by the work.</li> <li>2.7: Makes the work schedule.</li> </ul> <p><b>Learning Outcome 3: Applies the technical procedures for quality maintenance.</b></p> <p><b>Performance Criteria</b></p> <ul style="list-style-type: none"> <li>3.1: Applies quality maintenance techniques according to the type of process to be carried out.</li> <li>3.2: Explains how to fulfill the quality requirements during the operations.</li> <li>3.3: Explains structural-technical environment application requirements</li> </ul>		

**Learning Outcome 4: Explains the requirements for decreasing environmental risks.**

**Performance Criteria**

- 4.1: Explains the classification and segregation operations for recovery of recyclable materials.
- 4.2: Explains how to separate the hazardous and harmful wastes from the other materials in accordance with the instructions given.
- 4.3: Explains the storage conditions of the hazardous and harmful wastes in accordance with the instructions given.
- 4.4: Explains the measures to be taken for temporary storage of hazardous and harmful materials.

<b>8</b>	<b>ASSESSMENT</b>	
<b>8 a) Theoretical Examination</b>		
<p><b>(T1) Written Test:</b> A written test including multiple-choice test of minimum 5 questions, true-false questions and “fill in the blanks” questions shall be performed within the unit and the candidate shall succeed minimum % 60 of the test. Average period of time per question shall be estimated as 1.5 to 2 minutes. The test questions shall be designed to measure all learning outcomes and performance criteria stipulated to be measured within the scope of the whole theoretical test.</p>		
<b>8 b) Performance based Examination</b>		
<p><b>(P1) Performance Test:</b> Minimum 70% of success should be achieved within the time specified for the test. All the performance criteria stipulated to be measured by the Practice Test (P1) should be measured for each candidate by the said test.</p>		
<b>8 c) Other Assessment related conditions</b>		
<p>To be succeeded in both the theoretical and practice tests is required. A person who fails in any part of the test may take the part of the test he has failed, again within a year. In case he fails to exercise his right within a year, he must take the two tests again. The persons who fail twice in any part of the test must be trained related to the parts/subjects he has failed.</p>		
<b>9</b>	<b>QUALIFICATION DEVELOPMENT INSTITUTION(S)/ORGANIZATIONS(S)</b>	INTES
<b>10</b>	<b>SECTOR COMMITTEE TO VERIFY QUALIFICATION ITEM</b>	Construction Sector Committee
<b>11</b>	<b>DATE AND NUMBER OF APPROVAL BY VQA BOARD OF DIRECTORS</b>	30/05/2012 – 2012/43

## ANNEXES

### **EK 12UY0054-3/A1-1: Information on Recommended Training to Earn a Qualification Item**

It's recommended that a training program of minimum 8 hours and with the content of training defined below should be completed for earning this unit.

#### **Content of Training:**

- Knowledge on Occupational Health and Safety Precautions
- Awareness of danger and sensing the risks
- Methods of protecting from hazards due to use of work equipment.
- Methods of working at height and protecting from falling from high
- Dangers arising from lift and haulage vehicles, cargo tie techniques, signaling
- Personal protective equipment and usage techniques in workspace, rules to comply with in workspace
- Ergonomic strains and safety in carriages by hand
- Legal responsibilities of employers and employees in regard with Occupational Health and safety
- Fire and protection against fire
- Protection against risks arising from chemical, biological, and physical substances,
- Knowledge of arrangement, order, and cleaning
- Vocational ethics, attitudes, and behaviors,
- Knowledge of basic first aid
- Knowledge of warning signs,
- Knowledge of hand tools to use
- Knowledge of distinguishing and separating hazardous materials



12UY0054–3/A2 PLASTER BOARD APPLICATION PROCESSES QUALIFICATION ITEM		
1	NAME OF QUALIFICATION ITEM	Performing Plaster Board Application Process
2	REFERENCE CODE	12UY0054–3/A2
3	LEVEL	3
4	CREDIT VALUE	-
5	A) DATE OF PUBLICATION	30/05/2012
	B) REVISION NO	00
	C) REVISION DATE	-
6	VOCATIONAL STANDARD(S) FORMING THE BASIS FOR THE QUALIFICATION	
Plaster Board Applier (Level 3) National Vocational Standard – 11UMS0130-3		
7	LEARNING OUTCOMES	
<p><b>Learning Outcome 1: Executes preparation works before plaster board application.</b></p> <p><b>Performance Criteria</b></p> <ul style="list-style-type: none"> <li>1.1: Calculates amount of materials to use.</li> <li>1.2: Performs preparatory works prior to plaster board application.</li> <li>1.3: Makes the work organization.</li> <li>1.4: Performs surface control and takes necessary measures.</li> <li>1.5: Makes materials and equipment ready for use.</li> <li>1.6: Performs elevation movement operation.</li> <li>1.7: Affixes necessary insulating tapes onto supporting profiles.</li> <li>1.8: Erects and removes basic scaffolds required by the work.</li> </ul> <p><b>Learning Outcome 2: Makes suspending ceiling with plaster board.</b></p> <p><b>Performance Criteria</b></p> <ul style="list-style-type: none"> <li>2.1: Makes suspending ceiling system by using supporting profiles.</li> <li>2.2: Ensures being placed of insulating materials on suspending ceiling.</li> <li>2.3: Mounts plaster board onto supporting profiles.</li> </ul> <p><b>Learning Outcome 3: Makes partition wall with plaster board.</b></p> <p><b>Performance Criteria</b></p> <ul style="list-style-type: none"> <li>3.1: Makes partition wall system by using supporting profiles.</li> <li>3.2: Mounts plaster board onto supporting profiles at first side.</li> <li>3.3: Places insulating material onto partition wall.</li> <li>3.4: Mounts plaster board onto supporting profiles at other side.</li> </ul> <p><b>Learning Outcome 4: Makes wall board with plaster board by using supporting profiles.</b></p> <p><b>Performance Criteria</b></p> <ul style="list-style-type: none"> <li>4.1: Makes wall board system by using supporting profiles.</li> <li>4.2: Ensures being placed of insulating material on the wall board system.</li> <li>4.3: Mounts plaster board onto supporting profiles.</li> </ul>		

**Learning Outcome 5: Makes curtain wall with plaster board by using adhesion plaster.****Performance Criteria**

- 5.1: Makes surface preparation.
- 5.2: Ensures being adhered of plaster boards onto existing wall.

**Learning Outcome 6: Performs surface treatment after application.****Performance Criteria**

- 6.1: Draws pointing meshes to joints.
- 6.2: Places corner profile.
- 6.3: Makes joint filling.
- 6.4: Makes finishing plaster onto plaster board surface.

**Learning Outcome 7: Performs work-end control and cleaning operations.****Performance Criteria**

- 7.1: Carries out the completion processes.
- 7.2: Carries out environmental cleaning.

<b>8</b>	<b>ASSESSMENT</b>	
<b>8 a) Theoretical Examination</b>		
<b>(T2) Written Test:</b> A written test including multiple-choice test of minimum 5 questions, true-false questions and “fill in the blanks” questions shall be performed within the unit and the candidate shall succeed minimum % 60 of the test. Average period of time per question shall be estimated as 1.5 to 2 minutes. The test questions shall be designed to measure all learning outcomes and performance criteria stipulated to be measured within the scope of the whole theoretical test.		
<b>8 b) Performance based Examination</b>		
<b>(P2) Performance Test:</b> Minimum 80% of success should be achieved within the time specified for the test. All the performance criteria stipulated to be measured by the Practice Test (P1) should be measured for each candidate by the said test.		
<b>8 c) Other Assessment related conditions</b>		
To be succeeded in both the theoretical and practice tests is required. A person who fails in any part of the test may take the part of the test he has failed, again within a year. In case he fails to exercise his right within a year, he must take the two tests again. The persons who fail twice in any part of the test must be trained related to the parts/subjects he has failed.		
<b>9</b>	<b>QUALIFICATION DEVELOPMENT INSTITUTION(S)/ORGANIZATIONS(S)</b>	INTES
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<b>11</b>	<b>DATE AND NUMBER OF APPROVAL BY VQA BOARD OF DIRECTORS</b>	30/05/2012 – 2012/43

## ANNEXES

### Information on Recommended Training to Earn a Qualification Item

It's recommended that a training program of minimum 16 hours and with the content of training defined below should be completed for earning this unit.

#### **Content of Training:**

- Determining start and finish elevation, detecting elevation, and leveling the application area.
- Preparing the materials to use in application
- Knowledge on tools, apparatus and equipment
- Use of hand tools
- Ability of reading project drawings
- Plaster board coating systems and applications thereof

## ANNEXES

### ANNEX 1:

12UY0054–3/A1 Occupational Health & Safety, Quality & Environment  
12UY0054–3/A2 Plaster Board Application

### ANNEX 2: Terms, Symbols and Abbreviations

**STABLE:** Accessories used for fixing the main load-bearing profiles,

**ACCESSORIES:** Various products (stable, clips, hook clip, hook bar, extension piece and etc.) used in the production of suspended ceiling, partition wall and revetment wall made by using plaster board.

**PLASTER BOARD:** Interior construction material with different features, flat surface, both sides cartoon coated, plaster in the middle, produced in standard and special sizes,

**DRYWALL SCREW:** Screws used for fixing the plaster boards to the galvanized steel sheet profiles in the plaster board applications,

**STEEL DOWEL:** Dowel fixed to the existing floor, bearing the hook bar and suspended ceiling system in the suspended ceiling productions,

**LEVELING LINE:** Colored line marking the surfaces leveled,

**JOINT TAPE:** Tapes used for preventing cracking of plaster at the joints of plaster boards,

**JOINT SPACKLE:** Plaster used for ensuring that the surface looks uniform at the joints of plaster boards and covering the screw heads,

**SCREW ANCHOR-SCREW:** Dowel and washer head screws used for fixing the galvanized profiles to the floor, ceiling and wall,

**LOAD-BEARING PROFILES:** Galvanize coated profiles with different floor sizes and wall thicknesses used in the construction of suspended ceiling, partition wall and revetment wall made by using plaster board,

**ISCO:** International Standard Classification of Occupations,

**OHS: PERSONAL PROTECTIVE EQUIPMENT (PPE):** All kinds of tools, instruments, appliances and devices which are worn, put on or hold by the worker and which protect the worker from one or more hazards arising from the work and effect the health and safety of the worker, and which are designed to suit such purpose,

**ELEVATION MEASUREMENT:** Process for leveling the surfaces,

**CORNER PROFILE:** Protective profiles used at corner ends for increasing the impact strength of external corners and ensuring surface normal,

**GAUGE:** Tool made of wood or light metal, produced in different sizes used for controlling surface flatness and surface finishing and etc.,

**SELF-DRILLING SCREW:** Screws used for fixing to profiles thicker than 1.7 mm in the plaster board applications,

**BUTTON HEADED SCREW:** Screw used for fixing to metal at the required points in the plaster board applications,

**BEVEL:** Angling or turning surface corners,

**RIVETING MACHINE:** Hand tool used for interlocking the profiles,

**FINISHING PLASTER:** Finish plaster applied on the finishing coat, gypsum plaster or plaster board before painting,

**NOISE INSULATING TAPE:** Self adhesive sponge bonded at the bottom of profiles for preventing noise and thermal bridge between the two partitions in the plaster board applications,

**PLUMB:** Tool used for controlling verticality of components,

**SCREWING MACHINE (ELECTRIC SCREWDRIVER/TIGHTINING):** Electric screwdriver used for fixing the plaster board to the profiles,

**INSULATING MATERIAL:** Material in different densities and thicknesses used for increasing the heat, noise, water and fire performance of the system in the production of suspended ceiling, partition wall or revetment wall.

### ANNEX 3: Ways of Horizontal and Vertical Progress in Occupation

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### ANNEX 4(\*): Assessor Criteria

Assessor should meet at least one of following criteria:

- Being academic in relevant field,
- Having worked at least 5 years as engineer or technician in the works involving relevant occupation,
- Having worked at least five years as technical teacher in the works involving relevant occupation or relevant vocational high schools,
- Having graduated from vocational high school and worked at least 10 years in the works involving relevant occupation.