



**NATIONAL QUALIFICATION**

**12UY0055-3**

**GYPSUM PLASTER APPLIER  
LEVEL 3**

REVISION NO:

**VOCATIONAL QUALIFICATION AUTHORITY**

**Ankara, 2012**

## PREFACE

This reference guide, namely Gypsum Plaster Applier (Level 3) National Qualification 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. Hazırlanan taslak hakkında sektördeki ilgili kurum ve kuruluşların görüşleri alınmış ve görüşler değerlendirilerek taslak üzerinde gerekli düzenlemeler yapılmıştır. 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 preapplied for certification to the authority,
- Institutions having drawn up national vocational standard,
- Professional organizations.

<b>12UY0055-3 GYPSUM PLASTER APPLIER NATIONAL VOCATIONAL STANDARD</b>		
<b>1</b>	<b>NAME OF QUALIFICATION</b>	Gypsum Plaster Applier
<b>2</b>	<b>REFERENCE CODE</b>	12UY0055–3
<b>3</b>	<b>LEVEL</b>	3
<b>4</b>	<b>INTERNATIONAL CLASSIFICATION CODE</b>	ISCO08- 7123
<b>5</b>	<b>TYPE</b>	-
<b>6</b>	<b>CREDIT VALUE</b>	-
<b>7</b>	<b>A) DATE OF PUBLICATION</b>	30/05/2012
	<b>B)REVISION NO</b>	00
	<b>C) REVISION DATE</b>	-
<b>8</b>	<b>AIM</b>	This National Vocational Standard is prepared for determination and certification of the qualifications of the gypsum plaster applier. Accordingly, it's aimed at defining the knowledge, skills and actions of gypsum plaster applier.
<b>9</b>	<b>VOCATIONAL STANDARD(S) FORMING THE BASIS FOR THE QUALIFICATION</b>	
	Gypsum Plaster Applier (Level 3) National Vocational Standard – 11UMS0156-3	
<b>10</b>	<b>REQUIREMENTS TO TAKE QUALIFICATION TEST</b>	
	-	
<b>11</b>	<b>STRUCTURE OF QUALIFICATION</b>	
	<b>11-a) Compulsory Units</b>	
	12UY0049–3/A1 Occupational health and Safety	
	12UY0055–3/A2 Gypsum Plaster Applier	
	<b>11-b) Elective Units</b>	
	-	
	<b>11-c) Alternatives for Grouping of Units and Additional Learning Outcomes</b>	
	The candidates have to succeed in all Group A mandatory Qualification Items for obtaining the National Vocational Qualification.	
	<b>ASSESSMENT</b>	
	The assessment and evaluation for the certification in accordance with the Gypsum Plaster 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.	
	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.	

<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 gypsum plaster applier certifies that he has worked for a total of 18 months.</p> <p>The people 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>	INTES
<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

12UY0049-3/A1 OCCUPATIONAL HEALTH AND SAFETY QUALIFICATION ITEM		
1	NAME OF QUALIFICATION ITEM	Occupational health and Safety
2	REFERENCE CODE	12UY0062-3/A1:
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	Gypsum Plaster Applier (Level 3) National Vocational Standard – 11UMS0156-3
7	LEARNING OUTCOMES	<p><b>Learning Outcome 1: Explains necessary measures and precautions for safety of work.</b></p> <p><b>Performance Criteria</b></p> <p>1.1: Lists the risk factors at the working site.</p> <p>1.2: Explains PPE's to use for occupational health and safety.</p> <p>1.3: Explains the actions to cause accidents and defects to cause problems.</p> <p>1.4: Lists the people to contact in emergency cases.</p> <p>1.5: Lists the tools, equipment and means of communication to be used in case of emergency.</p> <p>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.</p> <p>1.7: Keeps the working site clean and tidy.</p> <p>1.8: Lists the rules for working at heights in cases requiring work at height.</p> <p><b>Learning Outcome 2: Makes preparation and work before work.</b></p> <p><b>Performance Criteria</b></p> <p>2.1: Supplies the tools and equipment he shall use.</p> <p>2.2: Carries out cleaning and maintenance of the hand tools he shall use.</p> <p>2.3: Carries out manual and visual inspection of the surface to be processed.</p> <p>2.4: Carries out repair, modification and cleaning he considers as necessary in the area he shall work.</p> <p>2.5: Makes work distribution to his employees.</p> <p>2.6: Erects and removes basic scaffolds required by the work.</p> <p>2.7: Makes the work organization.</p> <p><b>Learning Outcome 3: Applies the technical procedures for quality maintenance.</b></p> <p><b>Performance Criteria</b></p> <p>3.1: Applies quality maintenance techniques according to the type of process to be carried out.</p> <p>3.2: Explains how to fulfill the quality requirements during the operations.</p> <p>3.3: Explains structural-technical environment application requirements</p> <p><b>Öğrenme Çıktısı 4 : Explains the requirements for decreasing environmental risks.</b></p> <p><b>Performance Criteria</b></p> <p>4.1: Explains the classification and segregation operations for recovery of recyclable materials.</p> <p>4.2: Explains how to separate the hazardous and harmful wastes from the other materials in accordance with the instructions given.</p> <p>4.3: Explains the storage conditions of the hazardous and harmful wastes in accordance with the instructions given.</p> <p>4.4: Explains the measures to be taken for temporary storage of hazardous and harmful materials.</p>
8	ASSESSMENT	<p><b>8 a) Theoretical Examination</b></p> <p><b>(T1) Multiple-choice 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>

**8 b) Performance based Examination**

**(P1) Performance-based Test:** 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.

**8 c) Other Assessment related conditions**

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 people 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
<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 12UY0055-3/A1-1: Information on Recommended Training to Earn a Qualification Item**

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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
- Professional 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



12UY0055-3/A2 GYPSUM PLASTER APPLICATION QUALIFICATION ITEM		
1	NAME OF QUALIFICATION ITEM	Gypsum Plaster Applier
2	REFERENCE CODE	12UY0055-3/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	
Gypsum Plaster Applier (Level 3) National Vocational Standard – 11UMS0156-3		
7	LEARNING OUTCOMES	
<p><b>Learning Outcome 1: Makes pre-work preparations.</b></p> <p><b>Performance Criteria</b></p> <p>1.1: Prepares tools / equipment to use.  1.2: Calculates amount of materials to use.  1.3: Performs necessary repairs and amendments in the work area.  1.4: Determines work hours in accordance with project and work conditions.  1.5: Erects and removes basic scaffolds required by the work.  1.6: Makes the work organization.</p> <p><b>Learning Outcome 2: Makes pre-work preparations.</b></p> <p><b>Performance Criteria</b></p> <p>2.1: Uses appropriate priming coat or makes indentation on smooth surfaces.  2.2: Humidifies dry surfaces.  2.3: Makes preliminary filling in the cracks and holes on the surface of wall.  2.4: Pastes gypsum mortar so that plaster mesh sets in the midst of joint of different materials.  2.5: Pastes gypsum and aluminum partitions to cleaned surface in accordance with measurements of template to use.  2.6: Alimünyum ano kullanmıyorsa alçıdan ano hazırlar.  2.7: Places partition intervals onto surface of wall in accordance with intervals of template to use.  2.8: Checks balance, direction, and rule of all partitions.  2.9: Pastes corner profiles onto required places by using the gypsum prepared.</p> <p><b>Learning Outcome 3: Prepares gypsum plaster by means of machine.</b></p> <p><b>Performance Criteria</b></p> <p>3.1: Prepares machine gypsum.  3.2: Applies gypsum mortar onto surface.  3.3: Fills place of partitions.  3.4: Makes leveling by means of steel trowel.</p> <p><b>Context:</b> One shall make benefit of success criteria for Task C of 11UMS0156-3 Gypsum Plaster Applier National Vocational standard in assessment of aforementioned success criteria.</p> <p><b>Learning Outcome 4: Makes gypsum plaster by hand.</b></p> <p><b>Performance Criteria</b></p> <p>4.1: Prepares the gypsum made by hand.  4.2: Fills partition gaps by gypsum.  4.3: Fills place of partitions.</p> <p><b>Context:</b> One shall make benefit of success criteria for Task D of 11UMS0156-3 Gypsum Plaster Applier National Vocational standard in assessment of aforementioned success criteria.</p> <p><b>Learning Outcome 5: Makes finishing plaster.</b></p> <p><b>Performance Criteria</b></p> <p>5.1: Prepares surface of gypsum.  5.2: Prepares finishing plaster.  5.3: Applies finishing plaster onto surface.</p> <p><b>Context:</b> One shall make benefit of success criteria for Task E of 11UMS0156-3 Gypsum Plaster Applier National Vocational standard in assessment of aforementioned success criteria.</p>		

**Learning Outcome 6: Carries out the completion processes.****Performance Criteria:**

- 6.1: Controls smoothness of the surface, when needed, by means of spot and light.
- 6.2: Controls smoothness of the surface by using the template.
- 6.3: Makes filling in required areas.
- 6.4: Makes finishing work by means of sandpaper.
- 6.5: Carries out environmental cleaning.
- 6.6: Collects and cleans tools and devices used.

**8 ASSESSMENT****8 a) Theoretical Examination**

**(T2) Multiple-choice Test:** A written test including multiple-choice test of minimum 25 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.

**8 b) Performance based Examination**

**(P2) Performance Test:** Candidates should score at least 80% at the examination. All the performance criteria stipulated to be measured by the Practice Test (P1) should be measured for each candidate by the said test.

**8 c) Other Assessment related conditions**

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. Candidate who fails twice in any part of the test must be trained related to the parts/subjects s/he has failed.

9	<b>QUALIFICATION DEVELOPMENT INSTITUTION(S)/ORGANIZATIONS(S)</b>	INTES
10	<b>SECTOR COMMITTEE TO VERIFY QUALIFICATION ITEM</b>	Construction Sector Committee
11	<b>DATE AND NUMBER OF APPROVAL BY VQA BOARD OF DIRECTORS</b>	30/05/2012 – 2012/43

## **ANNEXES**

### **EK 12UY0055-3/A2-1: 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:**

- Knowledge of surface
- Preparing the materials to use in application
- Mortar knowledge
- Plaster knowledge
- Knowledge on tools, apparatus and equipment
- Ability to use hand tools
- Ability to read project drawings

## ANNEX

### ANNEX 1: Qualification Items

12UY0055-3/A1 Occupational health and Safety

12UY0055-3/A2 Gypsum Plaster Application

### ANNEX 2: Terms, Symbols and Abbreviations

**ANO:** Process applied onto wall before plaster for ensuring smoothness of the surface by means of aluminum-made lathes or gypsum props.

**GYPSUM PLASTER MACHINE:** Electrical machine for mixing machine gypsum with water in its reservoir and then spraying onto wall surface.

**GYPSUM PLANE:** Tool used for straightening the surface roughness in gypsum plaster works, especially in case of Plaster Gypsum and Machine Gypsum applications.

**KNIFE TEMPLATE:** Hand tool for placing gypsum in the gaps between partitions,

**STEEL TROWEL:** Hand tool used for leveling and straightening operations in any and all kinds of gypsum applications,

**INDENT:** Indents opened on smooth surfaces by means of hammer or similar hand tools,

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

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

**INNER CORNER TROWEL:** Tool used to correct inner corners in gypsum applications,

**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.

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

**MACHINE GYPSUM:** Perlitic and coarse-grained, surface coating, malleable, machine-applied gypsum type, which can be applied in certain thicknesses (if it will be applied thicker than single layer application thickness the second, or if needed, the third layers shall be applied after maximum application thickness is set) and does not contain any substance hazardous to human health,

**BILL OF QUANTITY:** List showing quantities of each item used within scope of the project,

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

**PLASTER GYPSUM:** Perlitic and coarse-grained, surface coating, malleable, manually-applied gypsum type, which can be applied in certain thicknesses (if it will be applied thicker than single layer application thickness the second, or if needed, the third layers shall be applied after maximum application thickness is set) and does not contain any substance hazardous to human health,

**MORTAR BOARD:** Hand tool used for applying the gypsum onto wall surfaces in gypsum plaster works, especially in plaster gypsum applications,

**MORTAR TROWEL:** Tool used for straightening the surface roughness in gypsum plaster works, especially in case of Plaster Gypsum and Machine Gypsum applications.

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

**FEATHER:** Device, whose body is made of plastic and base is coated with special rubber, which is used for finishing in plaster applications with machine gypsum,

**SURFACE BINDING PRIMING:** Gypsum plaster priming used for ensuring adhesion of gypsum on smooth surfaces.

### ANNEX 3: Ways of Horizontal and Vertical Progress At 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.