



## **Marbler (Marmista)**

**A competent Marbler should be able to demonstrate the following skills and competences:**

### **General Competences and Skills**

1. Teamwork - The ability to work within a multi-disciplinary team.
2. Health & Safety - The ability to work on site in a safe and responsible manner.
3. Communication – The ability to communicate effectively both verbally and in writing.
4. Organizational Knowledge – Understand workplace organizational structures and professional obligations.

### **Specialist Competencies and Skills**

1. Understanding of intellectual property law.
2. Understanding of the importance of basic documentation.
3. Understanding and knowledge of basic techniques in Marble.
4. Familiarization with risk assessments and knowledge of how to minimize them.
5. Familiarization with the different Marble materials and their best function in the construction industry.
6. Understanding of how material will chip differently according to its internal structure and how to use the proper tools according to the job.
7. Familiarization with local / foreign materials.
8. Awareness of the different tools which help to simplify the creation of a work, like the pointing machine, much more recently the help of machinery like cranes, laser scanning and CNC machines etc.
9. Familiarization with the Marble differences (color and compactness) when cut from different places and the stone impurities that can be found.
10. To design and have the knowhow of different lettering methods.
11. To understand the different cleaning methods starting from the natural, chemical and the mechanical ones (brushing, poultice, micro scarpello).
12. Understanding of the artist's rights and awareness of the most appropriate method to carry out the work.

**The candidate applying to be trade tested for the Certificate of Competence should be in possession of the majority of the following knowledge:**

**Competencies & Skills:**

1. Be familiar with and identify the properties of local and foreign stonematerials.
2. Be able to pick up the appropriate tools for the material worked on.
3. Be competent in at least one of the following skills: lettering / how to deal with different materials and to keep updated with the ongoing trade innovations.
4. Be able to distinguish between tools used to work stone (franka), marble and granite, and determine what kind of edge is required.
5. Be familiar with the different cleaning, protection and consolidation methods.
6. Be able to reproduce colors on different materials (marmorizzazione).
7. Be able to distinguish when it is permitted to be creative and when one needs to stick with what already exists especially during an intervention.
8. Be able to simplify, do a reproduction or an enlargement of a design.
9. Be skilled in clay modeling, and identify when best to use this technique.
10. Be able to distinguish the various architectural styles.
11. Be able to use the right machinery to measure and cut marble according to specifications.
12. Be able to project and lay marble tiles and slabs.

### **Use of Power Tools**

- Angle grinder
- Angle grinder with regulation for sanding and polishing
- Air compressor
- Chisels for air compressor gun
- Diamond cutting tools

### **Stone's vulnerabilities:**

- Splitting
- Chipping
- Sanding
- Chemicals
- Polishing

### **Documentation**

- Interpreting drawings

### **Site Management**

- Carrying out instructions received

**Knowledge and application of health and safety measures in the workshop and on site.**

- Wearing compulsory clothing for the sculpting workshop that includes: apron / lab coat, safe footwear, safety specs / goggles and tied up hair.
- Using non-compulsory equipment for the sculpting workshop that includes: ear defenders when using power tools such as angle grinder, dust mask in case of dust allergies and working gloves.
- Selecting and wearing protective clothing for use in connection with hazardous chemicals.
- Knowing of emergency procedures.
- Applying good housekeeping practices at all times.

**Use of Measurement Tools**

- Carrying out calculation of Perimeter
- Carrying out calculation of Area
- Carrying out calculation of Volume

**Stereotomy (including producing templates):**

- Enlarging a preliminary design to a given scale.

## **ASSESSMENT CRITERIA**

### **Marbler**

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The following is a detailed description of the assessment criteria to be adopted by the Trade Testing Board to reach a final decision on the award of a Certificate of Competence.

**The trade test is to be made up of the following components:**

1. The Written
2. The Practical
3. The Interview
4. Portfolio

**The Board has agreed on the sequence of the test and the markings allocated to each specific component as indicated below:**

<b>Component</b>	<b>Mark</b>	<b>Pass Mark</b>
<b>Written</b>	100	50%
<b>Practical</b>	100	50%
<b>Interview/ Portfolio</b>	100	50%

## **The Written Component**

**The Board has agreed that candidates will sit for the written test of 2 hours duration.**

**The candidate must be able to demonstrate the following:**

1. Identifying the different materials used and the type of construction adopted for – stairs, flooring and wall cladding.
2. Demonstrate the knowledge of basic techniques in Marble.
3. An ability to understand the importance of documentation.
4. Recognizing the right materials of a particular work, including prevention work required prior to the application.
5. Identifying material deterioration and understanding its causes.
6. Reading a plan or a drawing.
7. Assessing risks at the workplace and how to minimize them.

### **The Interview Component**

**All candidates will be called for an interview in order for the Board to assess the proficiency of the candidate in this field.**

**A portfolio of evidence of works carried out by the candidate needs to be presented during the interview.**

**The interview questions will cover the following topics:**

1. Basic causes of deterioration in marble.
2. The application of specialized assessments or techniques when necessary.
3. Basic knowledge of the orders and styles.
4. Interpretation of drawings.
5. Proposing remedial action in a competent manner.
6. Explain the material differences.
7. Risk assessment on work sites.
8. Must have a good knowledge of existing bonding materials.
9. The application of expansion joints in view of movement due to temperature and humidity variations.

### **The Practical Component**

The candidate will be asked by the board to provide details of a site where the practical test will be held. During this test the trade testing board will evaluate and assess the candidate according to the above listed knowledge, skills and competences.

