

# TILE, MARBLE AND TERRAZZO FINISHER

## APPENDIX B

O\*NET CODE 47-3011.00

This training outline is a minimum standard for Work Processes and Related Instruction. Changes in technology and regulations may result in the need for additional on-the-job or classroom training.

### WORK PROCESSES

	<b>Approximate Hours</b>
<b>A. Finishers' Tools and Equipment</b>	<b>550</b>
1. Using and maintaining hand and power tools.	
2. Erecting and dismantling scaffolding.	
3. Safety	
<b>B. Preparation of Surfaces and Sub-surfaces</b>	<b>400</b>
1. Preparing all types of Sub-Surfaces for Terrazzo, preparing sub-structure and other surfaces (Vertical and Horizontal), select methods of cutting tile.	
2. Preparing marble for installation (Vertical and Horizontal), preparing walls, floors, and	
3. countertops for mortar installation.	
4. Installing seamless floors, drilling, anchoring, and plugging methods-traditional and modern.	
5. Floating bed-sand cushion, isolating membrane wire mesh and screeding underbed. Installing divider strips and glue divider strips.	
6. Placing terrazzo mixture in panels and trowel to top of strips and seeding of additional chips.	
<b>C. Selection and Mixing of Materials</b>	<b>550</b>
1. Mixing various types of mortar and chips, epoxy resins and adhesives.	
2. Thin set epoxy, polyester, polyacrylate and other artificial simulated materials. Mixing and using setting materials.	
<b>D. Distribution and Handling</b>	<b>500</b>
1. Handling and moving job-site materials from stockpile to point of installation.	

**E. Grouting and Cleaning Techniques (during and after installation) 800**

1. Cleaning, treating, sealing, caulking, protecting, and grouting terrazzo, marble, and other surfaces (all techniques).

**F. Grinding and Polishing 900**

1. Machine grind and polish acid wash.
2. Select and use other polishing compounds and methods.
3. Patch, fill, repair and restore material and other polishing compounds and methods.
4. Face, fill and polish marble
5. Apply stone aggregate.

**Approximate Total Hours 3,700**

Apprenticeship work processes are applicable only to training curricula for apprentices in approved programs. Apprenticeship work processes have no impact on classification determinations under Article 8 or 9 of the Labor Law. For guidance regarding classification for purposes of Article 8 or 9 of the Labor Law, please refer to <https://dol.ny.gov/public-work-and-prevailing-wage>

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## **APPENDIX B**

### **RELATED INSTRUCTION**

**Orientation, Apprentice Rules and Regulations, School Rules**

**History of Tile, Marble, Terrazzo Trades**

**Industrial History and Labor Relations**

**Craftworker Laws: Federal and State**

#### **Safety**

1. Fundamentals (4 hours, 1st year)
2. Trade Safety (12 hours, 1st year, including handling, storage, and disposal of hazardous chemicals)
3. Asbestos Awareness – minimum 4 hours (see attachment)
4. OSHA 10-Hour Construction Course – if required for Public Work
5. First Aid (6.5 hours minimum every 3 years)
6. Sexual Harassment Prevention Training – must comply with section 201-g of the Labor Law.
7. Drugs and Alcohol Awareness
8. Diversity in the Workplace
9. Scaffolding Safety

#### **Trade Theory and Science**

1. Working materials and their use (tile, marble, terrazzo)
2. Handling and distribution of various materials and storage care
3. Preparation of various surfaces, both floor and wall
4. Mortar mixes, terrazzo mixes, chip selection, thin set coat materials
5. Portland cement and various applications
6. Mortar mixing, hand, or power-related methods
7. Tile, marble and terrazzo grouts of various composition and their application
8. Safe care and use of various tools and power-related equipment

9. Types of synthetic and/or chemical mortars and bonding materials
10. Types of synthetic and/or chemical grouts, and their use and application
11. Cleaning – acid, steam, and power equipment cleaning
12. Application of various types of protective coverings and/or sealants for use over all tile, marble, and terrazzo surfaces.
13. New Products, materials, work techniques and the use of job-related power equipment and tools used in the tile/marble/terrazzo industry
14. Materials Safety Data Sheet

A Minimum of 144 Hours of Related Instruction are Required for Each Apprentice for Each Year.

Appendix B topics are approved by New York State Education Department.

## ATTACHMENT TO APPENDIX B

### Asbestos Awareness

This course must be delivered by one of the following:

1. A provider currently approved by the New York State Department of Health to deliver asbestos safety training.
2. A person holding a current Asbestos Handler certificate from the New York State Department of Labor in the title of: Inspector, Supervisor, Project Monitor, Management Planner, or Project Designer.
3. Anyone otherwise approved by the New York State Education Department.

Minimum course contents must include the following:

1. Definition of asbestos
2. Types and physical characteristics
3. Uses and applications
4. Health effects:
  - a. Asbestos-related diseases
  - b. Risks to families
  - c. Cigarette smoking
  - d. Lack of safe exposure level
5. Employer-specific procedures to follow in case of potential exposure, including making a supervisor or building owner immediately aware of any suspected incidental asbestos disturbance so that proper containment and abatement procedures can be initiated promptly.

**Notwithstanding the above course requirement, employers are advised that they must also be in compliance with New York State Department of Labor Industrial Code Rule 56 at all times.**

**Employers are further advised, and must advise all apprentices, that completion of the above course requirement does not authorize any person to remove, encapsulate, enclose, repair, disturb, or abate in any manner, any friable or non-friable asbestos, asbestos containing material, presumed asbestos containing material, or suspect miscellaneous asbestos containing material.**