



STATE OF NEW YORK
DEPARTMENT OF LABOR

APPENDIX A

TILE SETTER (3 YEARS)

D.O.T. 861.381-054

O*NET 47-2044.00

This training outline represents a minimum standard in terms of work processes and related instruction which are required to achieve skilled worker status. It is recognized that rapid technological and regulatory changes will frequently result in the need for additional on-the-job or classroom instruction.

WORK PROCESSES

Approximate Hours

- | | | |
|----|--|------------|
| A. | <u>Repairing and Patching Tile Work</u> | 225 – 300 |
| | 1. Removing existing damaged tile and adhesive, using chisel and scraper | |
| | 2. Cutting tile, using tile cutter and nippers | |
| | 3. Applying new adhesive, using notched trowel | |
| | 4. Setting new tile | |
| B. | <u>Layout Work and Basics</u> | 120 – 160 |
| | 1. Reading blueprints or shop drawings | |
| | 2. Checking levelness of substrate, using transit, water, or laser level | |
| | 3. Snapping chalk lines on walls and floors | |
| | 4. Drawing plumb and level lines on walls | |
| | 5. Snapping square lines on floors | |
| | 6. Determining placement of patterns; marking pattern on wall or floor | |
| C. | <u>Floating, Screeding, and Scratching Wall as Preparation (Vertical and Horizontal)</u> | 780 – 1040 |
| | 1. Applying scratch coat, using hawk, trowel, and scratcher | |
| | 2. Setting float strips or dots & screeds | |
| | 3. Applying float coat using hawk, trowel, and feather edge | |
| D. | <u>Installing All Other Types of Substrates (e.g. – Green-Board, Dura-Rock and other moisture-resistant back-up materials)</u> | 525 – 700 |

1. Installing substrates, using screw gun or hammer
- E. Working Walls (Residential and Commercial) 874 – 1165
1. Ensuring that substrate is flat and/or straight
 2. Repairing/patching any dips or faults, using hawk and trowel
 3. Mixing thinset mortar or adhesive; applying, using notched trowel
 4. Placing all types of tile, including:
 - a. porcelain
 - b. quarry
 - c. ceramic
 - d. marble
 - e. granite
 - f. mosaic
 5. Cutting tile to size, using tile cutter and nippers
- F. Preparing and Installing Tile Showers and Jambs 476 – 635
1. Placing shower mud base
 2. Pitching mud base
 3. Applying mud-set
 4. Placing tile on base
 5. Placing tile on walls and jambs
 6. Preparing and installing prefabricated shower units
- G. Preparing and Installing Countertops, Pullman, And Sinks 300 – 400
1. Spreading proper adhesive on countertop base
 2. Placing tile on countertop; cutting tile as needed
 3. Cutting hole for ceramic or marble sink, using power saw
 4. Setting sink in opening
 5. Drilling holes for all fasteners into masonry; filling holes with epoxy as appropriate; applying fasteners
- H. Preparing and Installing Floors and Steps (All Types), Including Pre-cast 435 – 580
1. Cleaning substrate
 2. Checking level
 3. Patching and grinding base or stone as necessary
 4. Doing layout
 5. Cutting and installing all types of finish materials,

	including:	
	a. tile	
	b. marble	
	c. pre-cast terrazzo	
	d. granite	
	e. other stone	
	f. artificial (man-made)	
6.	Drilling holes to receive doweling and pinning, using hammer drill; filling holes with epoxy	
7.	Using chain fall to position large or heavy units (if applicable)	
I.	<u>Working Quarry Tile of All Types in All Applications</u>	292 – 390
J.	<u>Preparing and Installing Ceilings</u>	150 – 200
	1. Inspecting, erecting, disassembling, maintaining scaffolding	
K.	<u>Preparing and Installing Tile Mantels and Hearths; Preparing and Installing Tile Swimming Pools, Domes, Arches, and Columns</u>	113 – 150
L.	<u>Cleaning, Treating, and Sealing Surfaces Including Waterproofing and Caulking (All Techniques)</u>	135 – 180
M.	<u>Grouting (All Processes)</u>	75 – 100
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	Total Hours	4500 – 6000

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 <http://www.labor.state.ny.us/workerprotection/publicwork/PDFs/Article8FAOS.pdf>

APPENDIX B

TILE SETTER (3 YEARS)

RELATED INSTRUCTION

Safety

Construction safety, including all applicable OSHA regulations, standards, rules
OSHA 10-Hour Construction Course – if required for Public Work

First Aid – minimum 6.5 hours every 3 years

Scaffold safety

Drug and alcohol awareness

Materials safety data sheet

Use of personal protective equipment

Proper storage, use, and disposal of toxic/caustic chemicals used in the trade

Asbestos Safety

Successfully complete an Operations and Maintenance Course approved by
the New York State Department of Health

Blueprints

Basic blueprint reading

Reading shop drawings

Mathematics

Trade math (including measurement, arithmetic, geometry)

Trade Theory and Science

Orientation to the trade

Use of equipment

Mortars and adhesives

Use of hand tools

Cleaning, sealing and finishing

Layout methodology

Laser and transit levels

Hoisting, if applicable

Other Required Topics

Industrial and labor relations (20 hours)

History and background (6 hours, first year)

Current laws and practices (14 hours, second year)

Sexual harassment prevention training (minimum 3 hours)

Other Suggested Topics

Diversity in the workplace

Oral communication skills

A minimum of 144 hours of Related Instruction is required for each apprentice for each year.