

## DIVISION 9 FINISHES

### 09660 ASPHALT, VINYL, AND RESILIENT TILE FLOORING

#### Part 1 – General

##### 1.1 WORK

- A. Provide all labor and materials required to complete the flooring work indicated on the **Scope** and as specified herein.
- B. Installation of asphalt, vinyl and resilient tile flooring shall include underlayment as listed on the **Scope** and as specified by the manufacturer.
- C. When work involves removal or disturbance of painted or otherwise coated surfaces work shall comply with [Section 01810 Lead Dust Hazards](#).

##### 1.2 QUALITY STANDARDS

- A. Provide experienced, well-trained workers competent to complete the work as specified.
- B. All work shall comply with manufacturer's instructions and governing building codes.
- C. Provide a certified lead abatement supervisor and certified lead abatement workers per [Section 01810 Lead Dust Hazards](#), if work will involve the removal or disturbance of painted or otherwise coated surfaces.

##### 1.3 SUBMITTALS

- A. Do not start work until **Owner** has approved and signed the Owner's Selection Sheet (Appendix A).
  - Supply **Owner** with samples of flooring manufacturer's standard color and pattern selections.
  - Provide a copy of the **Owner's** written color/pattern selections to **Agency**.
  - Submit to **Owner** manufacturer's installation instructions, flooring care and cleaning instructions, and warranty.

##### 1.4 MATERIALS HANDLING

- A. Provide all materials required to complete the work.
  - Deliver and transport materials to avoid damage to the product or to any other work.
  - Return any products or materials delivered in a damaged or unsatisfactory condition.
  - Materials and products delivered will be certified by the manufacturer to be as specified.
  - Packaging must be sealed with clear manufacturer and identification markings.
- B. Storage:
  - Protected from weather or moisture.
  - Protected from construction damage
  - Protected from occupant traffic

#### PART 2 – MATERIALS

##### 2.1 FLOORING

- A. Provide Asphalt, vinyl, and resilient tile flooring only from manufacturers who specialize in flooring materials.
  - Floor tiles shall be a minimum of 12" x 12" x 1/8" in size.
  - **Owner** shall select in writing, colors and patterns from manufacturer's standard selections.
  - Flooring shall be specified by the manufacturer for use in the location in which it is to be installed (i.e. kitchen, bathroom, etc.).
  - Asbestos-containing materials shall not be used.
  - **Owner** shall be given an additional 5% of the total number of new tiles for future repairs.
- B. Adhesives
  - All flooring and base adhesives shall be waterproof, non-toxic, low odor and recommended by the flooring manufacturer for the purpose and structural condition of the floor and base.
  - Adhesives shall be free of asbestos-containing materials.
- C. Install a minimum of ¼" wood underlayment as listed on the **Scope** and as specified herein.

- Underlayment material shall be specified for use as underlayment.
  - Underlayment shall always be installed when manufacturer's installation specifications require it.
- D. Install baseboard, wood, rubber or vinyl as listed in the **Scope** and as specified herein.
- Unless otherwise listed in the **Scope**, wood baseboard shall match as closely as possible the architectural characteristics of the original (existing) baseboard.
  - Rubber and vinyl baseboard shall be as specified by the flooring manufacturer.
  - Newly installed wood baseboard and trim shall be painted or stained to match surrounding woodwork.
- E. Install shoe molding to conceal edges at all vertical projections, walls, cabinets, etc.
- Newly installed wood shoe shall be painted or stained to match surrounding woodwork.
- F. Transition strips (thresholds) and nosings.
- Edge strips shall be no less than 3/4" width, 1/8" thick, butt type, rounded or beveled on the exposed edge with lengths sufficient to minimize joints.
  - Standard color (i.e. silver or gold) per **Owner's** selection.
  - Do not reuse transition strips or nosings.
- G. Rubber step tread covers shall be shall be a single piece minimum of 3' wide, solid black rubber, 1/8" thick with either square or round nosing.

## PART 3 – INSTALLATION

### 3.1 PRECONSTRUCTION AND PREPARATION

- A. Examine and verify that job conditions are satisfactory for speedy and acceptable work.
- B. Prior to installation of new underlayment and flooring:
- Clear area or room of furniture, appliances, and other obstructions.
  - **Contractor** shall take all necessary precautions to minimize damage to surrounding surfaces during removal and installation of flooring materials.
  - The **Contractor** at the **Contractor's** expense shall repair any surfaces damaged during removal and installation of flooring materials.
  - Remove existing shoe molding, nosings, transition strips (thresholds), etc. to allow for the complete and proper installation of the new underlayment and flooring.
  - If necessary for a complete and proper installation of new flooring, or listed in **Scope**, remove base molding.
  - When removal of baseboard or shoe disturbs painted or surfaces, demolition work shall be done in accordance with [Section 01810 Lead Dust Hazards](#).
  - All debris created shall be properly disposed of by the **Contractor** in accordance with [Section 01810 Lead Dust Hazards](#).
  - Inspect floor for structural deficiencies, soundness, and make any necessary repairs.
- C. Installation of underlayment material:
- Install underlayment in sizes and shapes to minimize joints.
  - Securely attach underlayment to existing flooring using 1" or longer (as needed) ring shank flooring nails spaced 6" on center at edges and 8" on center in the field. Countersink all nail heads as necessary for a smooth finish.
  - All joints, nail heads, and other imperfections shall be filled with a material recommended by the flooring manufacturer. Ridges, trowel marks, and other projections shall be sanded smooth.
  - Broom clean or vacuum entire area prior to installation of flooring materials and adhesives.

### 3.2 FLOORING INSTALLATION

- A. Floor layout:
- Lay out floor tiles from centerlines oriented to principle walls.
  - Lay tiles square to principal walls.
  - Lay tile pattern with grain as directed by **Owner**.
  - Tiles at opposite ends of each room will be equally wide.
  - Avoid cut widths less than 3" at edges of rooms.
  - Maintain continuous pattern throughout floor.
- B. Bathroom fixtures:
- Where bathroom flooring is replaced, the watercloset shall be removed and the flooring including underlayment shall be fitted to the closet flange. If necessary the plumber shall install a lift ring (spacer)

prior to resetting the watercloset to ensure a watertight seal. The **Contractor** is responsible for coordinating the removal and replacement of the watercloset with the plumber. The cost of this work is the responsibility of the **Contractor**.

- Where a free standing (claw foot) bathtub exists, new underlayment and flooring shall extend under the bathtub. **Contractor** shall check the **Scope** and with the **Inspector** to verify requirement of bathtub removal and replacement.
- C. Apply adhesives as outlined in manufacturer's instructions.
- Assure that room temperature is per manufacturer's requirements.
  - Use appropriate trowels and scrapers to assure adequate amounts of adhesive is applied.
  - Apply adhesive for full coverage for each tile; do not allow voids in adhesive coverage.
  - Once adhesive is in place, install tile within manufacturer's recommended timeframe to assure a tight seal.
  - Wipe off excessive adhesive from finished surface of tile with clean rag or cloth.
- D. Placement of tiles:
- Place tiles neatly, tightly aligned, even, in straight parallel lines.
  - Tiles shall be placed flat without overlapping. Each tile shall lay even with adjacent tiles.
  - Extend flooring into closets, recesses, toe spaces, doorways, etc.
  - Butt tiles tightly against vertical surfaces, nosings, etc.
  - Scribe as necessary to fit around objects and at changes in floor finish materials.
  - Scribed joints must be cut neatly and square.
- E. Install shoe molding and baseboard per [Section 06200 Finish Carpentry and Millwork](#) and as specified herein:
- Install wood shoe molding and baseboards tight to wall and floor using finish nails.
  - Miter joints in shoe moldings and baseboard at outside corners, joints, and at ends.
  - Cope joints at inside corners of shoe molding and baseboard.
  - Install shoe molding and baseboards in adequate lengths to minimize joints.
  - Set and fill all nail holes in shoe molding and baseboard.
  - Finish (stain or paint) shoe molding and baseboard to match surrounding wood work.
  - Existing shoe molding and baseboards maybe reused if material is in good condition, free from damage, and unbroken. **Contractor** shall take care to prevent damage during removal and reinstallation.
  - Rubber and vinyl baseboard shall be installed using adhesives recommended by manufacturer.
  - Preformed rubber or vinyl baseboard corners shall be used at all inside and outside corners. Do not bend rubber or vinyl base around corners.
- F. Door clearance:
- If necessary, **Contractor** shall undercut doors to allow for proper clearance over new flooring. Door shall not drag or scrape on new flooring. **Contractor** shall take extreme care to not scratch, mar, splinter, or otherwise damage the door or door finish when undercutting.
  - Provide clearances below doors as necessary to allow for; thresholds, weatherstripping, nosings, etc.
- G. Install metal transition strips only where new flooring meets a dissimilar flooring material.
- Transition strips shall be securely installed with screws or nails per manufacturer's instructions.
  - Transition strips shall be in sufficient lengths to minimize joints.
- H. Install nosings at exposed edges of flooring, i.e. landings, stair treads, etc.
- Nosing shall be securely installed with screws or nails per manufacturer's instructions.
  - Nosing shall be in sufficient lengths to minimize joints.

### 3.3 CLEANING

- A. Only use cleaner recommended by the flooring manufacturer.
- Remove excess adhesive and other marks or stains from finish flooring.
- B. Follow cleaning instructions in [Section 01800 Cleaning and Maintenance](#) and [Section 01810 Lead Dust Hazards](#).

### 3.4 INSPECTION, REPAIR, AND TOUCH-UP

- A. Repair or replace any damaged or defective work:
- Chipped
  - Scratched
  - Marred

- Wrinkled
  - Cracked
  - Stained
  - Blistered
  - Air pockets
  - Raised edges or corners
  - Joints that are not tight
  - Gaps at walls, jambs, or trim
  - Mismatched tiles
  - Tiles that do not match the approved color and pattern selected by **Owner**.
- A. Securely protect flooring from damage by construction traffic or further construction work.
- B. The **Contractor** shall pay any costs for repairing or replacing flooring damaged as a result of **Contractor's** work.
- C. Supply **Owner** with an additional 5% of the total number of each new tile used for future repair or replacement.

END OF SECTION – 09660 ASPHALT, VINYL, AND RESILIENT TILE FLOORING