

University Contact: Project Manager on said project

## DIVISION 9: FINISHES

**This section of the Standards establishes minimum requirements only and is to be used to guide, and not replace, the complete project specification section. The Architect and/or Engineer shall further produce project specifications in line with industry standards that incorporate these University requirements.**

- REFERENCE
  - Comply with the City of Newark's Amendments to the 2018 IECC and Green Building Concepts.
- PROJECT GUIDELINES
- GYPSUM BOARD
  - Provide Level 4 finish typical unless special circumstances require Level 5.
  
  - Minimum thickness 5/8".
  
  - All gypsum board, and other related hard board materials such as cementitious based backer board, shall be fire/moisture resistant as required for the location and indicated as such on the Wall Type Schedule within the Contract Documents.
  
- WALL TILE
  - Restrooms to have glazed, flat tile, thin set on appropriate backing. Tile shall be full height on the wet wall(s) with a tile wainscot on remainder
  
- ACOUSTICAL CEILING PANELS
  - Use a 2' x 2' system tee bar system. Ceiling grid is to be centered in all spaces. All penetrations are to be centered in the tiles.
  
  - Preferred manufacturers:
    - Dry areas: Armstrong #755 B. Do not use custom design unless approved by UD PPD / Shops
    - Wet Areas: Ceiling grid system shall be Armstrong "prelude Plus" or equal. Ceiling tile shall be Armstrong Travertine Ceramguard
  
  - Do not specify Spline systems.
  
  - Equipment shall not be supported from the ceiling grid or ceiling tiles.
  
  - Minimum NRC factors:
    - Where Noise Reduction is critical: NRC 0.80+ 2.

- Classrooms: NRC 0.70 - 0.79 3.
  - Enclosed Offices, Open Office Areas, Conference and Meeting Rooms: 0.60+ 4.
  - Back of House Utility Areas and Circulation Areas: 0.50+
- Typically, maintain a 6" minimum clearance between the top of the grid and all other systems installed above the ceiling, unless otherwise required by code. Where walls run to the underside of the system, design and specify an acoustical seal/barrier where they meet.
- Telecom Room Finishes
- Please see data room/ telecom room finish specifications (Division 27) for reference.
- FLOORING
- A design meeting will be held with PPD Project Manager and signed off by Custodial Services for all flooring materials.
  - At fixed seating, do not use VCT or other materials which require refinishing. LVT is preferred.
  - Pre-turnover review with UD Custodial Services is required prior to final cleaning/finishing, for review of manufacturer recommendations for handling and maintenance.
- STONE FLOORING
- Stone flooring is only to be used in locations specifically approved by the University for the sake of appearance or the long wearing ability of stone. If used, please follow the following guidelines:
    - Use 48-inch x 48-inch maximum single panel size. Thick-set on a concrete substrate.
    - Use 3/4-inch minimum thickness.
    - The use of polished or honed stone as the predominant field material is not acceptable, except as a border or accent treatment.
    - The use of soft varieties of stone and stone with soft veining or stones that are naturally porous and permeable are not acceptable. Naturally clefted stone such as slate shall be avoided due to maintenance difficulty and product instability.
    - Stone used on step treads shall be crossed grooved or receive a rough finish or imbed, a minimum of 2-inch wide at the stair nosing, running the length of the tread.
    - Attic stock:
      - ◆ Provide two 48-inch by 48-inch spare panels, or
      - ◆ Provide four (4) tiles on other panels smaller than 48 inches.
- RESILIENT FLOORING
- Preferred manufacturers: Armstrong, Mannington.
  - Specify pre-formed inside and exterior corners only. Field fabrication is not acceptable.

- Exposed edges of resilient flooring to have butt type extruded aluminum edge strips.
- Warranty to be 10 years minimum.

➤ CARPET AND CARPET TILE

- Preferred manufacturers:
  - Mannington
  - Shaw
  - Mohawk/Bigelow/Karastan
  - Lees
  - Milliken
  - Atlas
  - Tandus
  - Interface
  - Flor
- Product to be solution dyed with synthetic primary backing, bleach resistant. Protective coating is required.
- Lifetime Warranty required.
- Request of shop drawings: sample, carpet layout, seams, and machine direction.
- Primers and adhesives must be manufacturer approved, waterproof, non-flammable, and non-combustible.
- Specify metal or extruded or molded rubber carpet edge guards and/or transitions at flooring material transitions.
- Specify that carpet shall not be installed until other work (drywall installation, painting, etc.) is completed.

➤ PAINTING

- Material types must be chosen considering the surface nature to be covered and location of the surface. The manufacturer's specifications will govern how the materials are applied, in what sequence, and any other special considerations that are to be adhered to.
- Primers and other undercoat paint shall be supplied by the same manufacturer of the finish coats. Shop primed items are to either be certified as receiving the primer necessary for compatibility with the paint system to be used or the items are to have the proper primer applied before the application of other system components. Primers, back-primers, undercoats, and

finish coats must be designed and specified as a total assembly, adhering to all manufacturer's directions and recommendations.

- A paint schedule listing colors, locations and types shall be included in the construction bid set, either as part of the finish schedule or as part of the paint specification.
- University Preferred Manufacturers: Benjamin Moore/Sherwin Williams (Sherwin Williams typically used in residence halls).
  - INTERIOR:
    - ◆ Walls and Ceilings
      - Primer; First Coat Primer
      - Finishes; Aqua Velvet (latex) – eggshell Aqua Glo (latex) – satin
      - New Block - use block filler
      - Residence halls only:
      - Walls and Ceilings Latex, Pro Mar 200, eggshell
    - ◆ Trim
      - Primer; Alkyd enamel underbody
      - Finish; Satin Impervo (alkyd) stain Aqua Glo (latex) satin
  - EXTERIOR:
    - ◆ Wood
      - Primer; Latex Exterior Primer
      - Finish; Moore Glo
    - ◆ Metal
      - Primer; Rust Inhibitive Primer (Retardo)
      - Finish; Alkyd industrial enamel
    - ◆ Concrete/Block
      - Primer; Latex exterior primer
      - Finish; Moore Guard Moore Life
      - New Block; Use block filler
- PIPING
  - Refer to Section 230553 – Identification for HVAC Piping & Equipment
  - Paint specification: (Applicable to utility plants and mechanical rooms)
- DO'S AND DON'TS
  - DO: Follow manufacturer’s guidelines for painting in cold / inclement weather.
  - DO: Use only the above approved paints. No other paint shall be used without the prior written consent of the Structural Services Supervisor.
  - DO: Apply primer to all surfaces before finish coating.

- DO NOT Use any paints except the above without the prior written consent of the Structural Services Supervisor.
- DO NOT Thin or reduce egg-shell finishes for ease of application. Apply by rolling or with appropriate spray nozzles.
- DO NOT Water down paint.
- DO NOT Use Zolotone, Texcote or any other solvent based textured paint.

➤ MISCELLANEOUS

- Samples of each finish material shall be approved by the University before final drawings and specifications are submitted.
- Attic stock- unless noted otherwise in this document, provide 2% attic stock.
- Specifications to include submission of O&M Manuals for every finish product specified.

❖ END OF SECTION