

Montgomery County Public Schools Facilities Guide

DIVISION 9 – FINISHES

SECTION 09670

FLUID-APPLIED FLOORING

**PART 1 GENERAL**

1.01 GUIDE INCLUDES

- A. Fluid-applied flooring in recycling rooms.

1.02 QUALITY ASSURANCE

- A. Comply with applicable ANSI and ASTM standards for materials and installation.

1.03 SUBMITTALS

- A. Submit product data, including
  1. MSDS for any applicable products used.
  2. Manufacturer's installation and maintenance instructions.
  3. Manufacturer's certification that fluid-applied flooring installed in building interior meet the testing and product requirements of California Department of Health Services *Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers*, including 2004 Addenda.

1.04 WARRANTY

- A. Provide 5 year extended warranty to cover workmanship and material defects.

1.05 EXTRA MATERIALS

- A. Provide one can of each fluid-applied flooring product used.
- B. Extra material to be given to MCPS Maintenance Division at contract closeout.

**PART 2 PRODUCTS**

2.01 EPOXY-RESIN FLOORING

- A. 100 percent solids, zero-VOC epoxy resin products:
  1. Basis of design is 20 mil Dur-a-Flex DUR-A-GLAZE NOVOLAC, chemical and heat resistant floor coating system consisting of a prime coat of either DUR-A-SHIELD #2 or DUR-A-POXY HIGH GLOSS, and two coats of DUR-A-GLAZE NOVOLAC.
  2. Equal products must be submitted to MCPS for approval.
  3. If available, fluid-applied flooring shall meet the testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.
    - a. At minimum, products need to comply with VOC limits specified in LEED-NC version 2.2, EQc4. if alternatives tested to the CA protocol are not available.
- B. Primer: DURA-SHIELD, DUR-A-POXY HIGH GLOSS, or DURA-GLAZE TIE COAT.

**PART 3 EXECUTION**

3.01 INSTALLATION

- A. Conform to applicable standards and manufacturer's installation instructions.
- B. Floors and Base:
- C. Substrate shall be profiled, clean, sound, and dry.
- D. Substrate shall be primed .
- E. Apply with a brush, roller, squeegee or trowel following manufacturer's installation instructions.
- F. Base shall be covered.
- G. Apply fluid-applied flooring in a matter consistent with Division 1 "Indoor Air Quality Management" requirements.

3.02 CLEANING:

- A. Floors, base and walls shall be cleaned and free of foreign materials in accordance with manufacturer's recommendations. Do not use acid.

3.03 PROTECTION:

- A. Protect finished floors with a Kraft paper or other heavy covering during construction period.
- B. Prohibit foot and wheel traffic for 3 days after floor is set and again after floor has been grouted.

**END OF SECTION**