

2021 Virginia Construction Code

CHAPTER 8 INTERIOR FINISHES

SECTION 804 INTERIOR FLOOR FINISH

804.1 General.

Interior floor finish and floor covering materials shall comply with [Sections 804.2](#) through [804.4.2](#).

Exception: Floor finishes and coverings of a traditional type, such as wood, vinyl, linoleum or terrazzo, and resilient floor covering materials that are not composed of fibers.

804.2 Classification.

Interior floor finish and floor covering materials required by [Section 804.4.2](#) to be of Class I or II materials shall be classified in accordance with [ASTM E648](#) or [NFPA 253](#). The classification referred to herein corresponds to the classifications determined by [ASTM E648](#) or [NFPA 253](#) as follows: Class I, 0.45 watts/cm² or greater; Class II, 0.22 watts/cm² or greater.

804.3 Testing and identification.

Interior floor finish and floor covering materials shall be tested by an agency in accordance with [ASTM E648](#) or [NFPA 253](#) and identified by a hang tag or other suitable method so as to identify the manufacturer or supplier and style, and shall indicate the *interior floor finish* or floor covering classification in accordance with [Section 804.2](#). Carpet-type floor coverings shall be tested as proposed for use, including underlayment. Test reports confirming the information provided in the manufacturer's product identification shall be furnished to the building official on request.

804.4 Interior floor finish requirements.

Interior floor covering materials shall comply with [Sections 804.4.1](#) and [804.4.2](#) and *interior floor finish* materials shall comply with [Section 804.4.2](#).

804.4.1 Test requirement.

In all occupancies, interior floor covering materials shall comply with the requirements of the DOC FF-1 "pill test" ([CPSC 16 CFR Part 1630](#)) or with [ASTM D2859](#).

804.4.2 Minimum critical radiant flux.

In all occupancies, *interior floor finish* and floor covering materials in enclosures for *stairways* and *ramps*, exit passageways, *corridors* and rooms or spaces not separated from corridors by partitions extending from the floor to the underside of the ceiling shall withstand a minimum critical radiant flux. The minimum critical radiant flux shall be not less than Class I in Groups I-1, I-2 and I-3 and not less than Class II in Groups A, B, E, H, I-4, M, R-1, R-2 and S.

Exception: Where a building is equipped throughout with an automatic sprinkler system in accordance with [Section 903.3.1.1](#) or [903.3.1.2](#), Class II materials are permitted in any area where Class I materials are required, and materials complying with DOC FF-1 "pill test" ([CPSC 16 CFR Part 1630](#)) or with [ASTM D2859](#) are permitted in any area where Class II materials are required.