

## Chapter E 342

## NON-METALLIC SURFACE EXTENSIONS

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**E 342.01 Description.** A non-metallic surface extension is an assembly of 2 insulated conductors within a non-metallic jacket and intended for mounting directly on the surface of walls or ceilings.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 342.02 Other chapters.** In addition to the provisions of this chapter, non-metallic surface extensions shall conform to other applicable provisions of this code.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 342.03 Use permitted.** A non-metallic surface extension may be used only where all of the following conditions are met:

- (1) The extension is from existing outlets on branch circuits.
- (2) The extension is run exposed.
- (3) The extension is in a dry location.
- (4) The area in which the extension is located is occupied for residential or office purposes.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 342.04 Use prohibited.** An extension shall not be installed:

- (1) In unfinished basements, attics, or roof spaces.
- (2) Where voltage exceeds 150 volts between conductors.
- (3) Where subject to corrosive vapors.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 342.05 Location in room.** One or more extensions may be run in any direction from an existing outlet, but not on the floor or within 2 inches from the floor.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 342.06 Outlets per circuit.** The total number of outlets supplied by one branch circuit, including those previously installed and those of the extension, shall be in conformity with the requirements of chapter E 210.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 342.07 Not to run outside room.** An extension shall not be run through a floor or partition, nor outside the room in which it originates.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 342.08 Supports.** Non-metallic surface extensions shall be secured in place by approved means at intervals not exceeding 8 inches, except

that where connection to the supplying outlet is made by means of an attachment plug the first fastening may be placed 12 inches or less from the plug. There shall be at least one fastening between each 2 adjacent outlets supplied. An extension shall be attached only to wood-work or plaster finish, and shall not be in contact with any metal work or other conductive material except the metal plates on receptacles.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 342.09 Splices and taps.** Extensions shall consist of a continuous unbroken length of the assembly, without splices, and without exposed conductors between fittings. Taps may be made where fittings completely covering the tap connections are used.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 342.10 Bends.** A bend which reduces the normal spacing between the conductors shall be covered with a cap to protect the assembly from physical damage.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 342.11 Fittings.** Each run shall terminate in a fitting which covers the end of the assembly. All fittings and devices shall be of a type approved for the purpose.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.