

2021 Virginia Construction Code

CHAPTER 26 PLASTIC

SECTION 2610 LIGHT-TRANSMITTING PLASTIC SKYLIGHT GLAZING

2610.1 Light-transmitting plastic glazing of skylight assemblies.

Skylight assemblies glazed with light-transmitting plastic shall conform to the provisions of this section and [Section 2606](#).

Exception: Skylights in which the light-transmitting plastic conforms to the required roof-covering class in accordance with [Section 1505](#).

2610.1.1 Unit skylights.

Unit skylights glazed with light-transmitting plastic shall comply with [Section 2405.5](#).

2610.2 Mounting.

The light-transmitting plastic shall be mounted above the plane of the roof on a curb constructed in accordance with the requirements for the type of construction classification, but not less than 4 inches (102 mm) above the plane of the roof. Edges of the light-transmitting plastic skylights or domes shall be protected by metal or other approved noncombustible material, or the light transmitting plastic dome or skylight shall be shown to be able to resist ignition where exposed at the edge to a flame from a Class B brand as described in [ASTM E108](#) or [UL 790](#). The Class B brand test shall be conducted on a skylight that is elevated to a height as specified in the manufacturer's installation instructions, but not less than 4 inches (102 mm).

Exceptions:

1. Curbs shall not be required for skylights used on roofs having a minimum slope of three units vertical in 12 units horizontal (25-percent slope) in occupancies in Group R-3 and on buildings with a nonclassified roof covering.
2. The metal or noncombustible edge material is not required where nonclassified roof coverings are permitted.

2610.3 Slope.

Flat or corrugated light-transmitting plastic skylights shall slope not less than four units vertical in 12 units horizontal (4:12). Dome-shaped skylights shall rise above the mounting flange a minimum distance equal to 10 percent of the maximum width of the dome but not less than 3 inches (76 mm).

Exception: Skylights that pass the Class B Burning Brand Test specified in [ASTM E108](#) or [UL 790](#).

2610.4 Maximum area of skylights.

Each skylight shall have a maximum area within the curb of 100 square feet (9.3 m²).

Exception: The area limitation shall not apply where the building is equipped throughout with an *automatic sprinkler system* in accordance with [Section 903.3.1.1](#) or the building is equipped with smoke and heat vents in accordance with [Section 910](#).

2610.5 Aggregate area of skylights.

The aggregate area of skylights shall not exceed 33¹/₃ percent of the floor area of the room or space sheltered by the roof in which such skylights are installed where Class CC1 materials are utilized, and 25 percent where Class CC2 materials are utilized.

Exception: The aggregate area limitations of light-transmitting plastic skylights shall be increased 100 percent beyond the limitations set forth in this section where the building is equipped throughout with an *automatic sprinkler system* in accordance with [Section 903.3.1.1](#) or the building is equipped with smoke and heat vents in accordance with [Section 910](#).

2610.6 Separation.

Skylights shall be separated from each other by a distance of not less than 4 feet (1219 mm) measured in a horizontal plane.

Exceptions:

1. Buildings equipped throughout with an *automatic sprinkler system* in accordance with [Section 903.3.1.1](#).
2. In Group R-3, multiple skylights located above the same room or space with a combined area not exceeding the limits set forth in [Section 2610.4](#).

2610.7 Location.

Where *exterior wall* openings are required to be protected in accordance with [Section 705](#), a skylight shall not be installed

Copyright © 2024 International Code Council, Inc., or its licensors (ALL RIGHTS RESERVED).

Accessed by Venkatesh Shanmugam on 11/14/2024 pursuant to License Agreement with ICC. No further reproduction or distribution authorized. Any Unauthorized reproduction or distribution is a violation of the federal copyright, and subject to civil and criminal penalties thereunder.

within 6 feet (1829 mm) of such *exterior wall*.

2610.8 Combinations of roof panels and skylights.

Combinations of light-transmitting plastic roof panels and skylights shall be subject to the area and percentage limitations and separation requirements applicable to roof panel installations.