

SLOPE OF ROOF SURFACES

ONTARIO BUILDING CODE

9.26.3.1. Slope of Roof Surfaces

- (1) Except as provided in Sentences (2) and (3), the slopes on which roof coverings may be applied shall conform to Table 9.26.3.1.
- (2) Asphalt and gravel or coal tar gravel roofs may be constructed with lower slopes than required in Sentence (1) when effective drainage is provided by roofs drains located at the lowest points of the roofs.
- (3) Profiles metal roof cladding systems specifically designed for low slope applications are permitted to be installed with lower slopes than required in Sentence (1), provided they are installed in conformance with the manufacture's written recommendations.
- (4) Except where back slope will not adversely affect adjacent supported or supporting elements due to water ingress, roofs and elements that effectively serve as roofs shall be constructed with sufficient slope away from,
 - (a) exterior walls, and
 - (b) guards that are connected to the roof, or to an element that effectively serves as a roof, by more than pickets or posts.
- (5) The slope required in Sentence (4) shall be sufficient to maintain a positive slope,
 - (a) after expected shrinkage of the building frame, where these surfaces are supported by exterior walls and on exterior columns, and
 - (b) once design loading is taken into consideration, where these surfaces are cantilevered from exterior walls.

OBJECTIVE

Table 9.26.3.1. of the Building Code regulates the slope limits of roofs according to the roofing types. The purpose of having roofs to slope away from exterior walls or guards is to eliminate the possibility of water ingress to supported or supporting elements, that may cause premature roofing failure and structural damage. The slopes to a roof drain shall be sufficient to maintain a positive slope so that no ponding would affect the structural elements of the roof.

