



DSA Structural Amendments under review are highlighted in Marginal Markings

Template 15-06

2001 CBC - Chapter 15

ROOFING AND ROOF STRUCTURES

Section - TABLES
Subsection(s) - Table 15-B-1

TABLE 15-B-1—ASPHALT SHINGLE APPLICATION

ASPHALT SHINGLES	
Roof Slope	Not Permitted below 2 Units Vertical in 12 Units Horizontal (16.7% Slope)
	2 Units Vertical in 12 Units Horizontal (16.7% Slope) to Less than 4 Units Vertical in 12 Units Horizontal (33.3% Slope) 4 Units Vertical in 12 Units Horizontal (33.3% Slope) and Over
1. Deck requirement	Asphalt shingles shall be fastened to solidly sheathed roofs. Sheathing shall conform to Sections 2312.2 and 2320.12.9 [for DSA/SS] 2322A.2 and 2326A.12.9 [for OSHPD 1, 2 & 4] 2322B.2 and 2326B.12.9.
2. Underlayment Temperate climate	Asphalt strip shingles may be installed on slopes as low as 2 units vertical in 12 units horizontal (16.7% slope), provided the shingles are approved self-sealing or are hand sealed and are installed with an underlayment consisting of two layers of nonperforated Type 15 felt applied shingle fashion. Starting with an 18-inch-wide (457 mm) sheet and a 36-inch-wide (914 mm) sheet over it at the eaves, each subsequent sheet shall be lapped 19 inches (483 mm) horizontally.
Severe climate: In areas subject to wind-driven snow or roof ice buildup	Same as for temperate climate, and the two layers shall be solid cemented together with approved cementing material between the plies extending from the eave up the roof to a line 24 inches (610 mm) inside the exterior wall line of the building. As an alternative to the two layers of cemented Type 15 felt, an approved self-adhering, polymer modified, bituminous sheet may be used.
3. Attachment Combined systems, type of fasteners	Corrosion-resistant nails, minimum 12-gage ³ / ₈ -inch (9.5 mm) head, or approved corrosion-resistant staples, minimum 16-gage ¹⁵ / ₁₆ -inch (23.8 mm) crown width. Fasteners shall comply with the requirements of Chapter 23 [for DSA/SS] 23A [for OSHPD 1, 2 & 4] 23B, Division III, Part III. Fasteners shall be long enough to penetrate into the sheathing ³ / ₄ inch (19 mm) or through the thickness of the sheathing, whichever is less.
No. of fasteners ¹	4 per 36-inch to 40-inch (914 mm to 1016 mm) strip 2 per 9-inch to 18-inch (229 mm to 457 mm) shingle
Exposure Field of roof Hips and ridges	Per manufacturer's instructions included with packages of shingles. Hip and ridge weather exposures shall not exceed those permitted for the field of the roof.
Method	Per manufacturer's instructions included with packages of shingles.
4. Flashing Valleys Other flashing	Per Section 1508.2 Per Section 1509

¹Figures shown are for normal application. For special conditions, such as mansard application and where roofs are in special wind regions, shingles shall be attached per the manufacturer's instructions.