

**WAC 51-11C-610714 Table A107.1(4)—Default U-factors for steel garage and hangar doors.**

**Table A107.1(4)  
Default U-factors for Steel Garage and Hangar Doors**

Double-skin Steel Garage and Aircraft Hangar Doors					
Insulation <sup>e</sup>	One-piece tilt-up <sup>a</sup>		Sectional tilt-up <sup>b</sup>	Aircraft hangar	
	8 ft. x 7 ft.	16 ft. x 7 ft.	9 ft. x 7 ft.	72 ft. x 12 ft. <sup>c</sup>	240 ft. x 50 ft. <sup>d</sup>
1-3/8 in. thickness XPS, steel ribs EPS, steel ribs	0.36 0.33	0.33 0.31	0.34 - 0.39 0.31 - 0.36		
2 in. thickness XPS, steel ribs EPS, steel ribs	0.31 0.29	0.28 0.26	0.29 - 0.33 0.27 - 0.31		
3 in. thickness XPS, steel ribs EPS, steel ribs	0.26 0.24	0.23 0.21	0.25 - 0.28 0.24 - 0.27		
4 in. thickness XPS, steel ribs EPS, steel ribs	0.23 0.21	0.20 0.19	0.23 - 0.25 0.21 - 0.24		
6 in. thickness XPS, steel ribs EPS, steel ribs	0.20 0.19	0.16 0.15	0.20 - 0.21 0.19 - 0.21		
4 in. thickness Noninsulated Expanded polystyrene Mineral wool, steel ribs Extruded polystyrene				1.10 0.25 0.25 0.23	1.23 0.16 0.16 0.15
6 in. thickness Noninsulated Expanded polystyrene Mineral wool, steel ribs Extruded polystyrene				1.10 0.21 0.23 0.20	1.23 0.13 0.13 0.12
Uninsulated All products	1.15				

- a Values are for thermally broken or thermally unbroken doors.
- b Lower values are for thermally broken doors; upper values are for doors with no thermal break.
- c Typical size for a small private airplane (single-engine or twin).
- d Typical hangar door for a midsize commercial jet airliner.
- e XPS is extruded polystyrene, EPS is expanded polystyrene.

[Statutory Authority: RCW 19.27A.025, 19.27A.045, 19.27.020, and 19.27.074. WSR 14-24-122, § 51-11C-610714, filed 12/3/14, effective 1/3/15. Statutory Authority: RCW 19.27A.020, 19.27A.025 and chapters 19.27 and 34.05 RCW. WSR 13-04-056, § 51-11C-610714, filed 2/1/13, effective 7/1/13.]