

2018 BC Building Code for Outlet Boxes

The following summarizes the requirements in the BC Building Code 2018 for outlet boxes:

Assembly	Combustible/ Noncombustible Outlet Box	Firestop	Specific Requirements	Code Reference
Ceiling (Table 9.10.3.1 M1/M2)	Combustible	FT rating	None	Sentence 3.1.9.4.(1)
	Noncombustible	FT rating	Applies only at horizontal service spaces described in Sentence 3.6.4.2.(2)	Sentence 3.1.9.4.(1)
Horizontal Fire Separations (Floor / Roof Assembly)	Combustible	FT rating	None	Sentence 3.1.9.4.(1)
	Noncombustible	None	<ul style="list-style-type: none"> ▪ Maximum 0.016m² ▪ Aggregate area of 0.065m² in any 9.3m² surface area ▪ Annular space between membrane and noncombustible outlet box ≤ 3mm 	Sentence 3.1.9.4.(2)
Vertical Fire Separations (Walls)	Combustible	FT rating	None	Sentence 3.1.9.4.(1)
	Noncombustible	None	<ul style="list-style-type: none"> ▪ Maximum 0.016m² ▪ Aggregate area of 0.065m² in any 9.3m² surface area ▪ Annular space between membrane and noncombustible outlet box ≤ 3mm 	Sentence 3.1.9.4.(2)

Note:

A-3.1.9.4 Outlet Boxes: For the purposes of Article 3.1.9.4, outlet boxes include, but are not limited to, electrical boxes, junction boxes, high and low voltage outlets, switches, enclosures for electrical equipment, laundry boxes, and shower diverters.