



NATIONAL GUARD
— PRODUCTS —

Gap Solutions and Explanations

Door Rating	Perimeter Solution *Up to 5/16" Gap	Door Bottom Solution *Up to 1 1/2" Gap
20 Minute	9200	9250 Series
	9200DKB	9250DKB Series
45 Minute	Gap90™	9245 Series
	Gap90DKB™	9245DKB Series
90 Minute	Gap90™	COMING SOON
	Gap90DKB™	

Gap90™

9945 (GPZ Steel stop extender)
9400 (Gray Intumescent PVC cover)
5075CL (Clear Self-Adhesive TPE seal)

Gap90DKB™

9945 (GPZ Steel stop extender)
9400DKB (Brown Intumescent PVC Cover)
5075B (Brown Self-Adhesive Seal)

Common Questions

Gaps - Perimeter vs. Door Bottom?

Perimeter gaps in doors are the distance between the edge of the door and door frame as measured on the pull side of the opening. Door bottom gaps are the distance between the bottom of the door and the finish floor.

Gaps - Why are they important?

Proper gap tolerances ensure that the door will perform as it is intended. Gaps that are outside of tolerance can lead to compromised fire door integrity in a fire situation as well as not allowing the fire door latching mechanism to engage fully as it is required to do by code.

Gaps - What does the code say?

NFPA 80 (the code standard for fire doors) states that fire doors must be inspected on an annual basis. Maximum allowable perimeter gap is 1/8" for wood doors, 1/8" +/- 1/16" for metal doors. Maximum allowable door bottom gap is 3/4". Gaps that exceed these maximum allowable tolerances result in a non-compliant fire door that needs to be repaired.

