

Lite Cutout Margins on Flush Doors
Information Bulletin 256



Eggers Industries

Date: November, 2011

Warnock Hersey and Underwriters Laboratories have clarified the distance from lite cutout to door edge, multiple lites and other hardware cutouts as shown below. The cutout-to-door edge dimensions also apply to bottom rails for all but 45-min full lite constructions, but 10" is the recommended minimum to comply with ADA requirements. These dimensions do not apply to CVR hardware. Refer to info Bulletin 316 for appropriate margins.

Non-Rated		Edge of Lite Cutout to Edge of Door	Edge of Lite Cutout to Edge of Lite Cutout	Edge of Lite Cutout to Nearest Point of Lock Cutout
Particleboard	Non-Rated	5"	5"*	3-5/16"
Stave	Non-Rated	5"	3"	1-1/2"
Structural Composite	Non-Rated	5"	3"	1-1/2"
Agrifiber	Non-Rated	5"	5"	3-5/16"
Acoustical	Non-Rated	5"	5"	5"
Bullet Resistant	Non-Rated	5"	3"	1-1/2"

* For applications without operable hardware, such as side panels, this margin may be reduced to 3" without voiding the warranty.



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UL		Edge of Lite Cutout to Edge of Door	Edge of Lite Cutout to Edge of Lite Cutout	Edge of Lite Cutout to Nearest Point of Lock Cutout
Particleboard	20-min	5"	5"	3-5/16"
Stave	20-min	5"	3"	1-1/2"
Structural Composite	20-min	5"	3"	1-1/2"
Agrifiber	20-min	5"	5"	3-5/16"
Bullet Resistant	20-min	5"	3"	1-1/2"
Acoustical	All Ratings	5"	5"	5"
Agrifiber	45-min	NA	NA	NA
Particleboard	45-min	NA	NA	NA
Mineral	45-min Full Lite	5-1/2"	5-1/2"	3"
Mineral	45 through 90-min	5-1/2"	5-1/2"	3-1/2"



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WH		Edge of Lite Cutout to Edge of Door	Edge of Lite Cutout to Edge of Lite Cutout	Edge of Lite Cutout to Nearest Point of Lock Cutout
Particleboard	20-min	5"	5"	5"
Stave	20-min	5"	5"	5"
Structural Composite	20-min	5"	5"	1-1/2"
Agrifiber	20-min	5"	5"	5"
Acoustical	All Ratings	5"	5"	5"
Agrifiber	45-min	6"	6"	6"
Particleboard	45-min	6"	6"	6"
Mineral	45-min Full Lite	5-1/4"	5-1/4"	3"
Mineral	45 through 90-min	5-1/4"	5-1/4"	3-1/2"



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Notes:

1. Maximum lite dimensions are based on visible lite; the Minimum dimensions shown above are based on cutouts.
2. The distance between the visible lite to visible lite, visible lite to door edge, and visible lite to other hardware cutouts will vary depending upon the lite frame or bead used.
3. This revision changes the specified criteria from distance to visible lite to distance to the lite cutout. The cutout location is the important factor for the approvals. It does not affect the actual minimum dimensions to the visible lite, but changes the way it is determined.
4. The method of calculating lite location is now the same for both agencies.

Lite to edge of door margins: Lite to edge of door margins may be specified in one of two ways:

- Visible lite to door edge- In this case we have to verify the dimension between the cutout and door edge is acceptable by subtracting the bead height from the visible lite to door edge (cutout to edge of door = visible lite margin specified – bead height).
- Minimum margin – In this case the minimum dimension between the visible lite and the door edge is calculated by adding the bead height to the minimum margins in the tables above (visible lite to edge of door = edge of cutout to edge of door + bead height)



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