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How to Order the Right Amount of Flat and Corner Panels



Here are photos of a *Virginia Ledgestone Panel* project. This installation is being used as an example of how to order the right amount of Flat and Corner panels. Starting with the dimensions of the hearth stone: 7 ft long, 22 inches deep, and 12 inches above the floor. The fireplace's left corner height is 12 feet, floor-

to-ceiling, and the right side is 10 feet. Each return depth is 20 inches.

Calculate the total amount of flats square footage needed:

٠	Front wall: 7' x 11' (approx.)	= 77 sq ft
٠	Return wall (left side): 20" (=1.7 ft) x 12'	= 20 sq ft
٠	Return wall (right side): 20" x 10'	= 17 sq ft
٠	Hearthstone return: 1' x 2' (approx.)	= 2 sq ft
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End "cuts" of Typical Corner Panel

Calculate the amount of Corners needed:

(Each corner panel covers 4 lineal inches of natural, snapped-end corners.)

Total = 118 sq ft

Per measurements above, we have 12 ft + 10 ft + 1 ft + 1 ft = 24

- 24 linear feet of corners are needed to complete the project.
- 24 feet of corners = 288 inches of corners needed (24x12).
- 288" / 4" per panel = **72 corner panels needed**.

Each corner panel covers 1 square foot of wall space. If the entire job is 118 square feet, and we need 72 corner panels, then approximately 46 flat panels are also needed. However, we used *Best Practice* installation method shown on the opposite page, and needed 60 Flat Panels.



Installation Methods for Flat and Corner Panels



The *goal* of the panel installation process is to:

- 1. Make the project look as natural as possible
- 2. Not appear as a panelized system

To do this, it will be necessary to cut some panels down to a smaller size. Use these smaller panels to start an offset row above the one below. Vertical head joints (highlighted in yellow in the photo to the right) will be avoided as a result, and your rows will be staggered.

As you go up the wall and start a new row of panels, offset the new row with this *smaller* panel. This will stagger the panels as you climb the wall with the next course.

Crafting Smaller Panels

- Start with a full panel (A), flip it over (B) and cut the netting lengthwise on the back with a razor knife (C) so there are two pieces as shown.
- Take these two pieces of the panel and line them up on the tile saw and cut through them, reducing the width in half (D).
- After the cut, there are now 4 pieces (E).
- Take the two pieces on the left and right side of the cut and align them as half panels (F). Install them on the wall as a 1/2 panel.

Using this method makes cutting panels easier than trying to notch out the 1-1/4'' offset needed to install into the wall system.





