



HDF Interior "U" Shaped Beams

- Start with clean, sound substrate; if applying over a painted surface make sure that the paint is load bearing. Figure out the desired layout for all beams. Mark the inside dimension of each beam on the ceiling at each end and one mark in the center of the room. Chalk lines for each inside dimension of the beam or pencil a line using a long straight edge.
- Using a 3/32" drill bit, pre-drill holes 24" on center through the 2" x 2" KD nailing strips. Place nailing strip on the inside of the chalk line and re-drill through each hole to mark the spot to accept the drywall anchor. Pull the nailing strip down and screw in the drywall anchors. Apply a 1/4" continuous bead of PL Premium® Polyurethane Construction Adhesive to the back side of the nailing strip. Place the nailing strip back on the ceiling and attach with 3-1/8" GRK R4 #9 multipurpose screws that screw into the drywall anchors. 2" x 6" (minimum length of 12") KD wood blocks are also approved for the installation of beams. They should be spaced 36" on center at a minimum. Pre-drill 2 holes (4 holes for larger beams) in each block and use the same application technique for the nailing strips.
- Measure the distance on the ceiling for the beam to be cut. We recommend that a 1/4" is added to the length cut. Most walls are not square and the beam can always be sanded or shaved to the exact size.
- Most beams from the factory are not square at each end. Square up one end then measure and mark for length. Using a framing square, draw a line on the 3 sides of the beam to be cut. Use a standard wood hand saw and slowly cut through the beam. If the beam was fabricated – watch for the screws that were used to manufacture the beam.
- Dry fit beam in place over 2x material.
- Pull beam back down and apply adhesive too the sides of the 2" x 2" nailing strip or 2x blocking.
- Reinstall beam and fasten with GRK #9 Kameleon finish screws 24" on center (minimum) and inbed the screw 1/16" – 1/8" below the surface of the beam. An air powered finish nailer with finish nails is also acceptable if the beam is 2 lbs per L/F.