



## EcoSeal™ Plus – Building Envelope Target Air Sealing Locations

### <3 ACH50

#### Essential Air Sealing Elements for <3 ACH50

The following recommendations are what we are identifying as Critical Air Sealing Elements that if sealed will positively aid in achieving a 3 air exchange or less at ACH50. There may be other elements that need to be included in your air sealing plan based on the configuration of the structure. What is being recommended are base elements that are typically present on the majority of the structures built in most markets.

EcoSeal Plus should be applied to joints, cracks and voids in a bead and should not be applied by fan spraying the product.

EcoSeal Plus bead size:  $\frac{3}{16}$ " x  $\frac{3}{16}$ " to  $\frac{1}{4}$ " x  $\frac{1}{4}$ "

Standard tip size: 513 or 515

#### EcoSeal Plus's Gasket Pro Technology Elements

- Exterior wall, stud face
  - Bottom plates
  - Corners
  - Top plate joint
- Interior partition wall
  - Top plate face of all interior partition walls
- Window and door rough openings



#### EcoSeal Plus Core Air Sealing Elements (<3ACH50)

##### Walls

- Exterior wall, inside cavity
  - Bottom plate to sheathing
  - Top plate to sheathing
  - Sheathing to window and door rough opening (jacks, sills, and headers)
  - Horizontal sheathing joints
  - Vertical stud to sheathing connections at corners and interior wall partitions
  - Any other penetrations <math>\frac{3}{8}</math>"

##### Floors

- Subfloor to bottom plate

##### Rim Joist

- Top plate to rim
- Rim to subfloor
- Butt joints of rim framing members
- Any penetrations

##### Garage Common Wall

- Blocking above common wall
- Blocking to subfloor, top plate, and joists
- Face of top plate (both interior and garage side)
- Face of corners (both interior and garage side)
- Face of bottom plate (both interior and garage side)

#### Other Areas of Consideration

##### Ceiling/Attic

- HVAC boots
- Can lights
  - Air seal per light rating may need to cover and seal

##### Floors

- Subfloor to bottom plate
- All penetrations through floor assembly (plumbing drains, water supply lines, etc.)

##### Knee Walls

- Backing to top plate
- Backing to bottom plate
- Backing to corners
- Backing to any openings or access hatches
- Any penetrations through the backing
- Face of top plate
- Face of corners
- Face of bottom plate
- Bottom plate to subfloor
- Face of access hatch



## ≈ <5 ACH50

### Essential Air Sealing Elements for <5 ACH50

The following recommendations are what we are identifying as Critical Air Sealing Elements that if sealed will positively aid in achieving a 5 air exchange or less at ACH50. There may be other elements that need to be included in your air sealing plan based on the configuration of the structure. What is being recommended are base elements that are typically present on the majority of the structures built in most markets.

EcoSeal™ Plus should be applied to joints, cracks and voids in a bead and should not be applied by fan spraying the product.

EcoSeal Plus bead size: 3/16" x 3/16" to 1/4" x 1/4"

Standard tip size: 513 or 515

### EcoSeal Plus's Gasket Pro Technology Elements

- Exterior wall, stud face
  - Bottom plates
  - Corners
  - Top plate joint
- Interior partition wall
  - Top plate face of all interior partition walls
- Window and door rough openings



### EcoSeal Plus Core Air Sealing Elements (<5ACH50)

#### Walls

- Exterior wall, inside cavity
  - Vertical stud to sheathing connections at corners and interior wall partitions
  - Horizontal sheathing joints
  - Any other penetrations <3/8"

#### Floors

- Subfloor to bottom plate

#### Garage Common Wall

- Blocking above common wall
- Blocking to subfloor, top plate, and joists
- Face of top plate (both interior and garage side)
- Face of corners (both interior and garage side)
- Face of bottom plate (both interior and garage side)

### Other Areas of Consideration

*Consider Core Air Sealing Elements of (<3ACH50)*

#### Ceiling/Attic

- HVAC boots
- Can lights
  - Air seal per light rating may need to cover and seal

#### Floors

- Subfloor to bottom plate
- All penetrations through floor assembly (plumbing drains, water supply lines, etc.)

#### Knee Walls

- Backing to top plate
- Backing to bottom plate
- Backing to corners
- Backing to any openings or access hatches
- Any penetrations through the backing
- Face of top plate
- Face of corners
- Face of bottom plate
- Bottom plate to subfloor
- Face of access hatch

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