

# Insulate a Manufactured Home Belly

Job Aid for Insulate the Belly of a Manufactured Home

Aligns With Standard Work Specifications 3.0102.5, 4.0302.9

## BEFORE YOU BEGIN



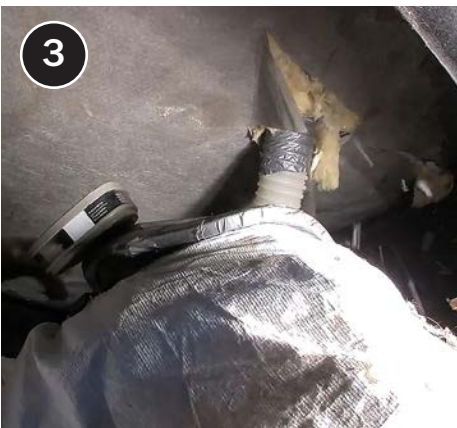
Determine if belly repairs are needed and make sure no plumbing or other issues preventing additional insulation exist. All duct sealing should be complete and the direction of the floor joists (crosswise or lengthwise) must be identified.



Remove old insulation if necessary and make repairs as needed in preparation for belly patch material.



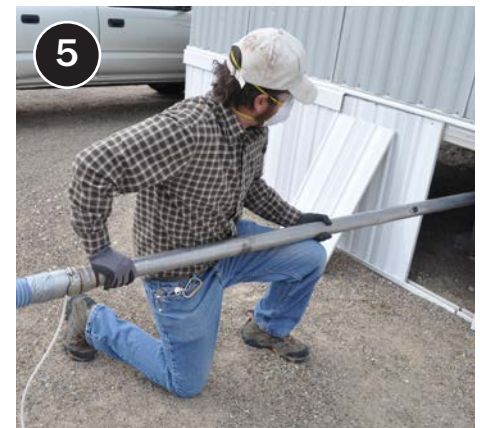
Mechanically fasten belly repair material. Seal all seams and edges.



Based on installer preference and site conditions, bellies can be insulated from underneath or the edge when using a fill tube or pipe.



Cut access holes to ensure entire cavity will receive continuous and consistent insulation.



Fill entire belly cavity to prescribed R-value while ensuring plumbing has sufficient insulation value to prevent condensation or freezing.



Apply waterproof, permanent adhesive to patch for belly wrap, with patch sized at least 3 inches larger than hole in barrier.



Stitch staple patch to ensure permanent adhesion.



Manufactured home bellies that are insulated with complete coverage with durable repairs improve the overall efficiency of the floor assembly.

## CHECKLIST

# Insulate the belly of a manufactured home

### DESIRED OUTCOME

Consistent thermal boundary between conditioned and unconditioned space to the prescribed R-value.<sup>1</sup>

#### Site prepared for insulation:

- Worker inspected to ensure belly was prepared for insulation:
  - Duct sealing from exterior is complete.
  - Gas, water, waste and electrical lines are safe, leak free and supported at least every 4 feet to a floor joist or framing member.
  - Water lines are insulated if needed.
  - Bottom board/belly fabric/rodent barrier is complete and sound enough to support insulation.

#### Insulation:

- Access cavities accessed to allow for consistent, uniform, and complete coverage.
- Install insulation to provide consistent, thorough coverage to specified R-value.
- Over-blow no more than 5 bags according to manufacturers' coverage chart.
- Ensure insulation has no gaps, voids, compression, or misalignment.
- Seal all openings made to install insulation or other seams or gaps in the air barrier in a durable, weather-tight manner.
- Reinstall any removed skirting.
- Clean job site.
- Fill out applicable sections of house-wide insulation certificate with<sup>2</sup> insulation type, coverage area, installed thickness, settled thickness, R-value, number of bags installed.

1. Relevant Standards: 3.0102.5, 4.0302.9

2. Underlined details are required on all insulation certificates.  
Other items are required only when using blown-in insulation.