



Life Expectancy of Mineral Fiber Batts Study (exterior wall batt-type thermal insulation)

1. Purpose of the Study:

This study is to assess the physical condition and thermal property of in situ wall batt-type thermal insulation that has been in service for at least 30 years.

2. Requirements of Sample Materials:

- 2.1. Batt-type thermal insulations on exterior walls (cavities) in buildings / houses with at least 30-year service life, excluding acoustical insulation
- 2.2. Fiberglass or rock wool batts
- 2.3. Batts that must have manufacturer's identification markings for its nominal thermal resistance (R-value)
- 2.4. Three stud-bay samples from the same building (house)

3. Sampling Process and Requirements:

- 3.1. Record address on the sampling datasheet issued by Home Innovation, and take photos of the building (house);
- 3.2. Record on the sampling datasheet the year the building (house) was built and wall insulation installed, if remodeled;
- 3.3. Take photos of the manufacturer's identification marking, and record on the datasheet the marking and observations of the walls and materials before removal;
- 3.4. Measure the width, height and depth of the batt inside the cavity per Home Innovation's instruction before removal, record the measurements on the datasheet;
- 3.5. Carefully remove sample materials from wall cavities starting with edges and getting behind the batt, not to make any damage to the material;
- 3.6. Lay the batt material on the floor and make dimensional measurements per Home Innovation's instruction, record the data on the datasheet;
- 3.7. Check the datasheet and sign it;
- 3.8. Fold each sample batt material and store into a plastic bag issued by Home Innovation;
- 3.9. Follow instructions to fill in a blank label issued by Home Innovation, initial the bag label;
- 3.10. Place the label on the bag, mark and initial the bag using a permanent marker per Home Innovation's instructions;
- 3.11. Use a cardboard box with proper size to pack all sample bags, ship the box using Home Innovation's shipping label.
- 3.12. All original documents and datasheets must be mailed to Home Innovation on the same day when the sample box is shipped. Photos can be emailed to Home Innovation.
- 3.13. A bounty of \$250 per sample will be offered in exchange for qualifying insulation samples associated documentation.