

HERS GRADE 1 BATTS - WALLS



NORTHWEST
Eco Building
Guild™

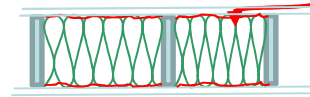
Concept – Insulation does not perform to its rated R value unless it is filled and fluffed evenly, and touching all 6 sides of each cavity. “HERS Grade 1” requires less than 2% gaps, compressions, and roll ins.

Attention – Insulation installers, Supervisors, Contractors

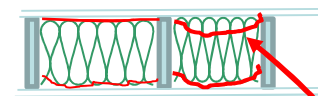
Action – Cut batts within 1/2”, “FACE” all batts to the stud surface so they will touch the back of the drywall. Cut and fill evenly around pipes, boxes, and lights. No Arching or rolling in.

Grade I
<2% GAPS

BATTS “ FACED AND FLUFFED”

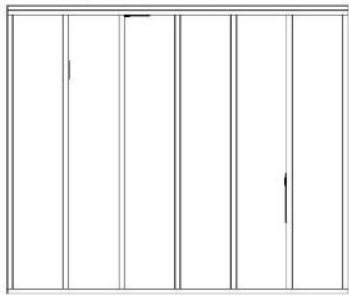
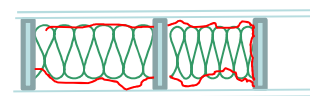


Grade II
2%> - <5%

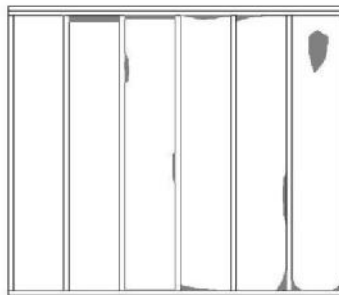


DO NOT ARCH OR STUFF

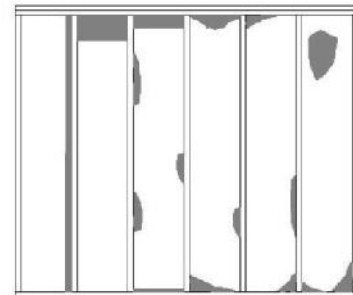
Grade III
> 5% GAPS



Grade I: Almost no gaps



Grade II: Up to 2%



Grade III: 2% - 5%

RESNET protocol for the effect of missing insulation on installation grade
Diagrams from the HERS Standards



Grade I



Grade II



Grade III

Design

Foundation

Framing

Mechanical

Insulation / Wall

Finish

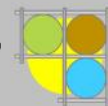
Landscape

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balderston@astul.com



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Energy Modeling, and consulting for W&S&S

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Grade 1 Batts – Wrong and Right



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COMPRESSED – sides of studs visible



GOOD! – Fluffed to face of stud



COMPRESSED – 1 or 2 cuts and folded in



GOOD! – 3 cuts around box and fluffed to face= put scrap behind box



COMPRESSED – Batt cut long and rolled in



GOOD! – cut within 1/2 inch and placed even and flat

Design

Foundation

Framing

Mechanical

Insulation / Wall

Finish

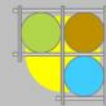
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