

**ICC-ES SAVE: Verification of Attributes Report™****VAR-1005\***

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*This report is subject to renewal in two years.*[www.icc-es.org/save](http://www.icc-es.org/save) | 1-800-423-6587 | (562) 699-0543 A Subsidiary of the International Code Council®**DIVISION: 07 00 00—THERMAL AND MOISTURE  
PROTECTION****Section: 07 21 00—Thermal Insulation****REPORT HOLDER:**

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**EVALUATION SUBJECT:****NU-WOOL WALLSEAL PREMIUM THERMAL AND  
SOUND INSULATION****1.0 EVALUATION SCOPE****Compliance with the following evaluation guideline:**

ICC-ES Evaluation Guideline for Determination of Recycled Content of Materials (EG101), dated October 2008.

**Compliance eligibility with the applicable sections of  
the following green building rating systems, standards  
and codes:**

- National Green Building Standard (ICC 700-2008) (see Table 2 for details)
- LEED 2009 for New Construction and Major Renovations (LEED NC) (see Table 3 for details)
- LEED for Homes 2008 (see Table 4 for details)
- LEED 2009 for Schools New Construction and Major Renovations (see Table 5 for details)
- 2010 California Green Building Standards Code (CALGreen), Title 24, Part 11 (see Table 6 for details)
- ANSI/GBI 01-2010 – Green Building Assessment Protocol for Commercial Buildings (see Table 7 for details)

**2.0 USES**

Nu-Wool WALLSEAL Premium insulation is used as nonstructural thermal- and sound-insulating material in buildings. The insulation is used on or within floors, floor-ceiling or roof-ceiling assemblies, attics, crawl spaces, walls and partitions.

**3.0 DESCRIPTION**

Nu-Wool WALLSEAL Premium insulation consists of a uniform low-density mixture of recycled cellulosic fibers and fire-retardant borate-based chemicals. The insulation is available in both a loose-fill and spray-applied form. The product contains the recycled content type and amount set forth in Table 1 of this report.

**4.0 CONDITIONS****4.1 Code Compliance:**

See ICC-ES evaluation report [ESR-2217](#) for compliance with code requirements.

**4.2 Green Rating Systems, Standards and Codes Eligibility:**

The information presented in Tables 2 through 7 of this report provides a matrix of areas of evaluation and corresponding limitations and/or additional project-specific requirements, and offers benefit to individuals who are assessing eligibility for credits or points.

The final interpretation of the specific requirements of the respective green building rating systems, standards and/or codes rests with the developer of that specific rating system, standard or code, or the Authority Having Jurisdiction, as applicable.

Compliance with the items noted as “Verified Attribute” is subject to any conditions noted in Tables 2 through 7. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. Rating systems or standards may provide supplemental information as guidance.

**5.0 BASIS OF EVALUATION**

The information in this report, including any “Verified Attribute,” is based upon the ICC-ES Evaluation Guideline for Determination of Recycled Content of Materials (EG101). [Evaluation applies to ICC 700 Section 604.1; LEED NC MR Credit 4; LEED Homes MR Credit 2.2; LEED Schools MR Credit 4; CALGreen Sections A4.405.3 & A5.405.4; ANSI/GBI 01-2010 Section 10.2.1.1]

**6.0 IDENTIFICATION**

Each bag of insulation is identified by a label bearing the Nu-Wool Company, Inc., name and address, product name, manufacturing date and the VAR number (VAR-1005).

**\*Revised April 2011**

TABLE 1—RECYCLED CONTENT BY WEIGHT SUMMARY

PRODUCT	% PRE-CONSUMER RECYCLED CONTENT	% POST-CONSUMER RECYCLED CONTENT		% IN-PROCESS RECYCLED CONTENT—TREATED	% TOTAL RECYCLED CONTENT
Nu-Wool WALLSEAL	20	65.83		0	85.83

TABLES 2 THROUGH 7

Section Number	Section Intent	Possible Points	Conditions of Use to Qualify for Points	Finding
<b>TABLE 2—SUMMARY OF AREA OF ELEGIBILITY WITH THE NATIONAL GREEN BUILDING STANDARD (ICC 700-2008)</b>				
604.1	Use two or more major and/or minor building materials containing recycled content	1 3 max	1, 2 or 3 points may be earned when products are used with another minor building component with recycled content of 25% < 50%; 50% < 75%; or ≥ 75%, respectively. Nu-Wool insulation can qualify for 3 points	•
<b>TABLE 3—SUMMARY OF AREA OF ELEGIBILITY WITH USGBC'S 2009 LEED FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS</b>				
MR 4	Recycled content	1 2 max	To earn 1 point use materials with recycled content such that the sum of post-consumer recycled content plus 1/2 of the pre-consumer content constitutes at least 10%, based on cost, of the total value of the materials in the project. To earn 2 points use 20% or more. Nu-Wool's recycled content equals 75.83% using this formula	•
<b>TABLE 4—SUMMARY OF AREA OF ELEGIBILITY WITH USGBC'S LEED FOR HOMES 2008</b>				
MR 2.2	Recycled content	0.5	To earn 0.5 point use insulation with recycled content of either 10% post-consumer or 95 % post-industrial (pre-consumer). Nu-Wool's recycled content equals 75.83% using this formula	•
<b>TABLE 5—SUMMARY OF AREA OF ELEGIBILITY WITH USGBC'S LEED 2009 FOR SCHOOLS NEW CONSTRUCTION AND MAJOR RENOVATIONS</b>				
MR 4	Recycled content	1 2 max	To earn 1 point use materials with recycled content such that the sum of post-consumer recycled content plus 1/2 of the pre-consumer content constitutes at least 10%, based on cost, of the total value of the materials in the project. To earn 2 points use 20% or more. Nu-Wool's recycled content equals 75.83% using this formula	•
<b>TABLE 6—SUMMARY OF AREA OF ELEGIBILITY WITH THE 2010 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)</b>				
A4.405.3 A5.405.4	Recycled content	N/A	To achieve Tier 1 - Use materials, equivalent in performance to virgin materials, with a postconsumer or preconsumer recycled content value (RCV) for a minimum of 10% of the total value, based on estimated cost of materials on the project. To achieve Tier 2 - Use materials with a postconsumer or preconsumer RCV for a minimum of 15% of the total value, based on estimated cost of materials on the project. RCV shall be determined as follows: RCV = (% PC X material cost) + 0.5 (% PI X material cost) <b>Notes:</b> 1. PC means post consumer waste. 2. PI means post industrial waste.	•
<b>TABLE 7—SUMMARY OF AREA OF ELEGIBILITY WITH ANSI/GBI 01-2010 – GREEN BUILDING ASSESSMENT PROTOCOL FOR COMMERCIAL BUILDINGS</b>				
10.1.2	Materials content - Assemblies	1 8 max	Recycled post-consumer or post-industrial (pre-consumer) content materials accounted for 1% to 20% or more of building materials.  Percentage is calculated as 100 x A (total cost or weight of recycled content materials) ÷ B (total cost or weight of all building materials)	•
•	= Verified attribute			