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**LEED Specification Sheet  
DURAPRO AC2389**

June 5, 2014

To Whom It May Concern:

The use of DURAPRO AC2389 *Latex Contact Cement* could be contributing LEED credits from the Canadian Green Building Council Rating System for New Construction & Major Renovations as follow:

**IEQc3.2: Construction IAQ management plan – Testing before occupancy**

Low VOC content of DURAPRO AC2389 can contribute to air quality test.

**IEQc4.1: Low-emitting materials – adhesives & sealants**

DURAPRO AC2389 content of VOC is less than 30 g/L less water meeting the requirement of South Coast Air Quality Management District (SCAQMD) Rule No.1168. DURAPRO AC2389 do not contain VOC in excess of 5% by weight. DURAPRO AC2389 is EcoLogo certified adhesive (UL2762 formerly CCD-046).

**IEQc4.4: Low-emitting materials - composite wood and laminate adhesives**

DURAPRO AC2389 contains no urea-formaldehyde resin. DURAPRO AC2389 is EcoLogo certified adhesive (UL2762 formerly CCD-046).

**IEQc4.5: Low-emitting materials – furniture and furnishings**

DURAPRO AC2389 contains no urea-formaldehyde resin. DURAPRO AC2389 is EcoLogo certified adhesive (UL2762 formerly CCD-046).

**MRc2: Construction waste management**

Packaging of DURAPRO AC2389 are made of recuperable and recyclable materials and can be collected for treatment where facilities exist.

**MRc5.1 and 5.2: Material and Resource – Regional materials**

When used in a project site within 800 kilometers (or 2400 kilometers if shipped by rail or water) from the manufacturing plant located at Dorval, Quebec.

**MRc6: Rapidly renewable materials**

DURAPRO AC2389 includes rapidly renewable materials.


This statement is based on the product referenced above and the formulation of the product and the regulations in place according to the date of this letter.

Please use this letter for specification purposes. For a copy of the MSDS or TDS, visit our website at [www.duraproadhesives.com](http://www.duraproadhesives.com), email at [durapro@dural.ca](mailto:durapro@dural.ca) or call 1-800-361-2340 .

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# International Enviro Auditing Inc.

## VERIFICATION ACTIVITIES REPORT

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|---|--|
| File Number                             | PA-DUL-046-300   |
| CCD Document                            | CCD-046 <i>Adhesives</i>   |
| Applicant                               | Dural, division of Multibond Inc.<br>550 Marshall Avenue<br>Dorval, QC<br>H9P 1C9  |
| Applicant Contact                       | Paul Faulkner  |
| Facility(s)                             | Same   |
| Facility Contact                        | Same   |
| EcoLogo Representative Present at Audit | James G. Matsell   |
| Audit Date                              | November 16, 2011  |
| Audit Scope                             | To review the products to ensure compliance with the criteria within the EcoLogo Program <i>CCD-046 Adhesives</i>  |
| Audit Summary                           | See <i>at/</i>   |
| Auditor Signature                       | <br>November 16, 2011<br>James G. Matsell, B.Sc. Chemistry<br>Environmental Auditor |

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## VERIFICATION ACTIVITIES REPORT

This report applies to ail products that are submitted for review for the criteria CCD-046 *Adhesives* these products will be reviewed for conformance to ail the product specific criteria listed below.

### Summary of Information Reviewed:

The adhesives submitted have been reviewed for ail of the foilowing product specific criteria. The checklist contained in the associated file indicates the objective evidence submitted and reviewed to satisfy these requirements. Their manufacturing facility has been previously reviewed.

Dural for the above product, have shown that they meet the foilowing:

### Generic Manufacturing Site Requirements:

1.1 An organization chart indicating:

- key departments that exist.
- how they are connected.
- if applicable, which is responsible for purchasing, production, quality control, environmental and safety controls, marketing, and sales.

Dural has supplied a detailed organization chart indicating ail departments and how they are connected.

1.1 Production schematic or flowchart indicating the main stages of production, noting that a general overall schematic along with more detailed schematics of individual stages is acceptable.

The manufacturing facility has supplied a detailed production schematic and flowchart noting ail major work areas.

2.1 A set of operational procedures, the overall methodology or a general description of the manufacture of the products to be certified.

Durai have supplied a set of detailed Process Control Flowcharts and SOP's that detail specifically ail aspects of the manufacturing process and QA/ QC as per their ISO 9001 certification .

2.1 Evidence that the methodology or description provided in section 2.1 is operational.

Examples of sufficient evidence include:

- valid ISO 9000 or 14000 series registration.
- copies of related documents which adequately support the method or procedure (e.g. log forms, tracking documents, production records, etc.).
- having appropriately trained staff plus a copy of the method or procedure posted in the production facility.

Dural has supplied ail sufficient dockets, QA/ QC forms.

3.1.1 The procedures or methods used to ensure that purchasing specifications will incorporate EcoLogo requirements such as disailowed or restricted materials.



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## VERIFICATION ACTIVITIES REPORT

Dural has methodology to qualify ail raw materials, and in this case to meet the requirements of EcoLogo .

3.1 Evidence that the methodology or description provided in section 3.1 is operational.

Examples of sufficient evidence include:

- valid ISO 9000 or 14000 series registration.
- copies of related documents which adequately support the method or procedure (e.g. log forms, tracking documents, production records, etc.).
- having appropriately trained staff plus a copy of the method or procedure posted in the production facility.
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Dural have provided log forms, production records to show that this procedure is in effect.

4.1 The procedure used to identify the finished product (e.g. batch /lot numbering, product coding, etc.)

Dural have supplied the appropriate procedure/methods to satisfy finish product identity and traceability.

4.2 Evidence that the methodology or description provided in section 4.1 is operational.

Examples of sufficient evidence include:

- valid ISO 9000 or 14000 series registration.
- copies of related documents which adequately support the method or procedure (e.g. log forms, tracking documents, production records, etc.)

Dural has supplied ail sufficient log forms, batch sheets, QA/ QC forms. Production records etc. . . to confirm this.

5.1 Evidence that quality and/ or production records are kept on file for a minimum of 2 years.

Dural have supplied the appropriate procedure/ methodology to satisfy Document Control and retention.

6.1 The method or procedure for the recall of non-compliant product that has already been shipped. They retain documents for a minimum of 2 years.

Dural have supplied the appropriate methodology to recall of non-compliant product and withdrawal process.

7.1 A completed *Declaration Of Compliance* (as per exhibit B-1) signed by the CEO or equivalent signing officer.

Dural have supplied the appropriate signed declaration of compliance.

### Product Specific Requirements

To be authorized to carry the EcoLogoCM, adhesives must:

- (a) not be formulated or manufactured with aromatic solvents;
- (b) not be formulated or manufactured with borax;
- (c) not be formulated or manufactured with formaldehyde;



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## VERIFICATION ACTIVITIES REPORT

- (d) not be formulated or manufactured with any halogenated solvent;
- (e) not be formulated or manufactured with mercury, lead, cadmium, hexavalent chromium or their compounds;

Ali Dural products do not include any items from a-e as per the review of the formula and raw material MSDS's.

- (f) not contain volatile organic compounds in excess of 5% by weight as measured by:

- EPA Method 24-24A, 40 C.F.R., Part 60, Appendix A (1991);
- Method 18, 48 Federal Register 48, no. 202, October 18, 1983;
- Method 1400 NIOSH Manual of Analytical Methods, Volume 1, February 1984;
- Environmental Protection Agency Method 8240 GC/MS Method for Volatile Organics; September 1986; or

- as demonstrated through calculation from records of the amounts of constituents used to make the product.

Note: In the case of multi-component adhesives, the VOC content should be calculated after the components have been mixed together to produce the final product.

VOC's were calculated at the following .227% and .292%

- (g) be accompanied by detailed instructions for proper application so as to minimize health concerns and maximize performance; and

Ali labels indicate proper usage.

- h) be accompanied by information describing proper disposal methods for containers 500 mL (or 17 oz) or larger.

Ali product MSDS's indicate proper disposal.

### Conclusion and Recommendations:

It is my recommendation that these products and the manufacturing facility meet all the requirements for the CCD-046 Adhesives and should be recommended for EcoLogo certification.