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VAR-1040

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Reissued 01/2018
This report is subject to renewal 01/2020.

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
SECTION: 06 60 01—PLASTIC PELLETS

REPORT HOLDER:

TREX COMPANY, INC.

**160 EXETER DRIVE
WINCHESTER, VIRGINIA 22602**

EVALUATION SUBJECT:

**LLDPE SPARTAN™ PELLET
LLDPE CARDINAL™ PELLET**



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DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES

Section: 06 60 01—Plastic Pellets

REPORT HOLDER:

TREX COMPANY, INC.
160 EXETER DRIVE
WINCHESTER, VIRGINIA 22602
(540) 542-6300
www.trex.com

EVALUATION SUBJECT:

LLDPE SPARTAN™ PELLET
LLDPE CARDINAL™ PELLET

1.0 EVALUATION SCOPE

Compliance with the following environmental criteria:

- ICC-ES Environmental Criteria for Determination of Recycled Content of Material (EC101), dated March 1, 2012

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

- 2015 and 2012 *International Green Construction Code™* (IgCC) (see Table 2 for details)
- 2016 *California Green Building Standards Code™* (CALGreen) (see Table 3 for details)
- LEED v4 for Building Design and Construction (see Table 4 for details)
- LEED 2009 for New Construction and Major Renovations (see Table 5 for details)

2.0 USES

The Trex Company Inc. LLDPE Spartan™ Pellet and LLDPE Cardinal™ Pellet have been evaluated for use as a 100% post-consumer recycled content raw material used in the production of various plastic products.

3.0 DESCRIPTION

3.1 General:

The Trex Company Inc. LLDPE Spartan™ Pellet and LLDPE Cardinal™ Pellet are linear low density polyethylene pellets manufactured from reclaimed linear low density polyethylene film.

4.0 CONDITIONS

4.1 Code Compliance:

The evaluation of the Trex Company Inc. LLDPE Spartan™ Pellet and LLDPE Cardinal™ Pellet for compliance with the requirements of the International Codes is outside the scope of this report. Compliance with all applicable code requirements must be demonstrated to the Authority Having Jurisdiction (AHJ).

4.2 Codes, Standards and Green Rating Systems Eligibility:

The information presented in Tables 2 through 5 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 compliance, credits or points.

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

Decisions on compliance for those items noted as “Eligible for Points” in Tables 2 through 5 rest with the user of this report, and those items are subject to the conditions noted. 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 often provide supplemental information as guidance.

The total percentage of recycled content reported is based upon assigning an equal value for each type of recycled content used in accordance with IgCC Section 505.2.2. Where the recycled content values are used for determination of compliance with requirements other than the IgCC, the total percent of recycled content must be calculated in accordance with the percentage requirements stated in that document.

Due to the variability of costs and volume, the recycled content percentage listed in this report is based upon weight (mass). The use of cost or volume as the method for calculation is outside the scope of this report.

5.0 BASIS OF EVALUATION

The information in this report is based upon the following supporting documentation:

- ICC-ES EC101 [Evaluation applies to IgCC Section 505.2.2; CALGreen Sections A4.405.3 and A5.405.4; LEED v4 BD+C MR Credit, LEED NC Credit MR 4]

6.0 IDENTIFICATION

Trex Company Inc. LLDPE Spartan™ Pellet and LLDPE Cardinal™ Pellet is identified by a label bearing the report

holder's name (Trex Company Inc.) and address, the product name, and the VAR number (VAR-1040).

TABLE 1—RECYCLED CONTENT BY WEIGHT SUMMARY

PRODUCT NAME	RECYCLED MATERIALS	% PRE-CONSUMER RECYCLED CONTENT	% POST-CONSUMER RECYCLED CONTENT	% TOTAL RECYCLED CONTENT
LLDPE Spartan™ Pellet	Polyethylene	0	100	100
LLDPE Cardinal™ Pellet	Polyethylene	0	100	100

TABLES 2 THROUGH 5

Section Number	Section Intent	Possible Points	Conditions Of Use To Qualify	Finding
TABLE 2—SUMMARY OF AREA OF ELIGIBILITY WITH THE 2015 and 2012 INTERNATIONAL GREEN CONSTRUCTION CODE (IgCC)				
505.2.2	Recycled content of building materials	N/A	LLDPE Spartan™ Pellet and LLDPE Cardinal™ Pellet are 100% post-consumer recycled content material that can be used in finished building materials.	○
TABLE 3—SUMMARY OF AREA OF ELIGIBILITY WITH 2016 CALGREEN				
A4.405.3 A5.405.4	Recycled content	Elective	LLDPE Spartan™ Pellet and LLDPE Cardinal™ Pellet are 100% post-consumer recycled content material that can be used in finished building materials. To achieve Tier 1 – Use materials, equivalent in performance to virgin materials, with a post-consumer 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 post-consumer 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) Notes: 1. PC means post-consumer waste. 2. PI means post-industrial waste.	○
TABLE 4—SUMMARY OF AREA OF ELIGIBILITY WITH USGBC'S LEED v4 FOR BUILDING DESIGN AND CONSTRUCTION				
MR	Building product disclosure and optimization – sourcing of raw materials – Recycled content	1	LLDPE Spartan™ Pellet and LLDPE Cardinal™ Pellet are 100% post-consumer recycled content material that can be used in finished building materials. Recycled content is the sum of post-consumer recycled content plus one-half the preconsumer recycled content, based on cost. Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation. To earn 1 point use materials Use products with recycled content for at least 25%, by cost, of the total value of permanently installed building products in the project.	○
TABLE 5—SUMMARY OF AREA OF ELIGIBILITY WITH USGBC'S LEED 2009 FOR NEW CONSTRUCTION				
MR 4	Recycled content	1 2 max	LLDPE Spartan™ Pellet and LLDPE Cardinal™ Pellet are 100% post-consumer recycled content material that can be used in finished building materials. To earn 1 point use materials with recycled content such that the sum of post-consumer recycled content plus 1/2 of the preconsumer 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.	○
○	= Eligible attribute			

N/A = Not applicable (i.e. This is a minimum or mandatory requirement, and points/credits are not applicable.)