

Environmentally Preferable Coverings
A Chat with ASID Sustainable Design Council



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APRIL 21-24, 2009 CHICAGO, ILLINOIS, USA
coverings
THE ULTIMATE TILE + STONE EXPERIENCE

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- Learning Objectives**
- Sustainable Practice
 - Application
 - Cradle to cradle principals
 - Company protocol
 - Greening Your Specifications
 - Approaches
 - Considerations
 - Resources
 - Eco-Luxury Hotel
 - Real world view
 - Steps taken
 - Residential Sustainability
 - REGREEN Overview
 - Strategies & Practices
 - Case studies
 - Chat / Q&A
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Sustainable Practice:
Applications, Principals & Protocols

Jill Salisbury
el: Environmental Language
GreenSpec, EcoScoreCard

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OUR RESPONSIBILITY
AS DESIGNERS
HAS GROWN IN IMPORTANCE

- WE PLAY THE ROLE OF NATURAL SELECTION
- CREATE SENSE OF DESIRE
- PROMOTE WELL-BEING
- IMPACT THE HEALTH OF OUR PLANET

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ENVIRONMENTAL PROTOCOL

- FOUNDATION OF BUSINESS
- DICTATES CORE VALUES
- GUIDELINE FOR ALL BUSINESS DECISIONS
- TOOL FOR MATERIAL SELECTION



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CELEBRATE THE ABUNDANCE OF NATURE

SPECIFY PRODUCTS THAT WILL REGENERATE QUICKLY

RAPIDLY RENEWABLE MATERIALS:

- BAMBOO
- CORK
- WOOL




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NATURE CREATES NO WASTE



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BI-PRODUCT FROM OTHER INDUSTRIES
PALMWOOD

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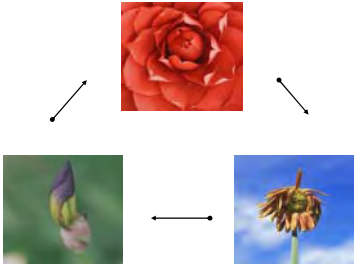
NATURE IS OUR MENTOR

- USE ECO-SYSTEM AS A ROLE MODEL
- EVERY MATERIAL IS A NUTRIENT TO BE METABOLIZED



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CLOSED LOOP DESIGN PROTOCOL



BIOLOGICAL NUTRIENT
MIMICS NATURAL LIFECYCLE

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CLOSED LOOP DESIGN PROTOCOL



TECHNOLOGICAL NUTRIENT

- SYNTHETIC MATERIAL
- RECYCLED CONTINUOUSLY
- NEVER LOSES STRUCTURAL INTEGRITY
- NO DOWN-CYCLING
- PRODUCT NEVER REACHES A GRAVE

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THERE IS NO MORE "AWAY"...
-WILLIAM MC DONOUGH


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MAKE A LIST OF PRIORITIES:

- CLOSED LOOP PROTOCOL
- LOW OR NO VOCs
- REGIONAL MATERIALS
- SOCIALY RESPONSIBLE SUPPLIERS
- RAPIDLY RENEWABLE MATERIAL
- BI-PRODUCT FROM OTHER INDUSTRY
- THIRD PARTY CERTIFICATION



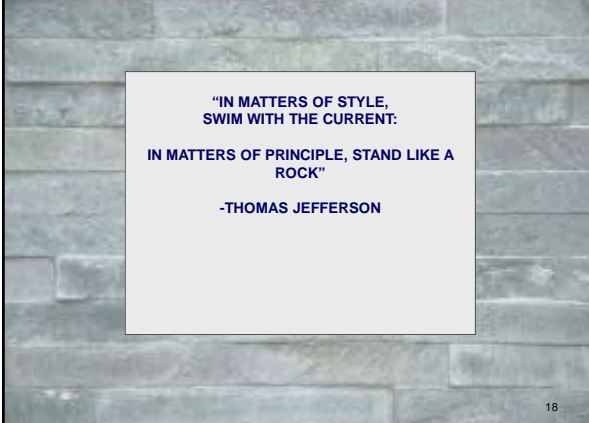
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MAKE THE TRANSITION:

- HIRE A STUDENT INTERN – EXPLAIN PROTOCOL
- RESEARCH PRODUCTS AND MANUFACTURERS
- INTERVIEW MANUFACTURERS AND ASK QUESTIONS
- CALCULATE RATING FOR MATERIALS & RESOURCES
- CREATE COLOR CODE SYSTEM
- DEVELOP YOUR GREEN RESOURCE LIBRARY
- CONTINUOUSLY UPDATE & MAINTAIN RESOURCES

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**"IN MATTERS OF STYLE,
SWIM WITH THE CURRENT:
IN MATTERS OF PRINCIPLE, STAND LIKE A
ROCK"**

-THOMAS JEFFERSON

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**Greening Your Specs:
Approaches, Considerations & Resources**

Carlie Bullock-Jones, ASID, LEED AP
Ecoworks Studio, LLC

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What Specs DO

- Define qualitative and administrative requirements for products, materials, quality and workmanship
- Complement drawings to describe in detail product quality and installation detail

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What Specs DO WELL

- Translate design/performance intent into specifics
- Represent our collective knowledge
- Describe desired materials and methods

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What Specs DO

- Define qualitative and administrative requirements for products, materials, quality and workmanship
- Complement drawings to describe in detail product quality and installation detail

What Specs DO WELL

- Translate design/performance intent into specifics
- Represent our collective knowledge
- Describe desired materials and methods

What Specs DON'T DO SO WELL

- Address integrated design – relationships and synergies
- Incorporate expertise and local knowledge
- Encourage innovation and creativity during construction

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018113: Sustainable Design Requirements

- Streamlined Language
- Develop early during DD Phase
- Clear submittal requirements for LEED documentation
- All spec sections list / reference 018113 as a related section

SECTION 018113 - SUSTAINABLE DESIGN REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specifications Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes general requirements and procedures for compliance with certain U.S. Green Building Council (USGBC) LEED prerequisites and credits needed for the Project to obtain LEED-Certified or Silver certification based on LEED-NC, Version 2.2.

B. Other LEED prerequisites and credits needed to obtain LEED certification are dependent on national selections and may not be specifically identified in LEED requirements. Compliance with requirements made in other LEED prerequisites and credits may be used as one criterion to evaluate submission requests.

C. Additional LEED prerequisites and credits needed to obtain the indicated LEED certification are dependent on the Architect's design and other aspects of the Project that are not part of the Work of the Contract.

B. Related Sections include the following:

1. Division 01 through 49 Sections for LEED requirements specific to the Work of each of these Sections. These requirements may or may not include reference to LEED.

1.3 DEFINITIONS

A. Certificates of Chain-of-Custody: Certificates signed by manufacturers certifying that wood and/or stone products was obtained from sources certified by an FSC-accredited certification body to comply with FSC 1.2 "Principles and Criteria." Certificates shall include evidence that such is certified for Chain-of-Custody by an FSC-accredited certification body.

B. LEED Leadership in Energy & Environmental Design.

C. Rapidly Renewable Materials: Materials made from agricultural products that are typically harvested within a year or less or shorter cycle. Rapidly renewable materials include products made from bamboo, cotton, flax, jute, straw, bamboo, wood, bamboo, vegetable oils, etc.

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Documentation for Sustainability

MASTERSPEC® INTERPRET LIBRARY
TABLE OF CONTENTS
MasterSpec 2009 Edition

MASTERSPEC® INTERPRET LIBRARY
TABLE OF CONTENTS
MasterSpec 2009 Edition

| Section No. | Section Title | Section Description | Section No. | Section Title | Section Description |
|-------------|---------------------------------|---|-------------|---------------------------------|---|
| 018113 | Sustainable Design Requirements | General requirements and procedures for compliance with certain U.S. Green Building Council (USGBC) LEED prerequisites and credits needed for the Project to obtain LEED-Certified or Silver certification based on LEED-NC, Version 2.2. | 018113 | Sustainable Design Requirements | General requirements and procedures for compliance with certain U.S. Green Building Council (USGBC) LEED prerequisites and credits needed for the Project to obtain LEED-Certified or Silver certification based on LEED-NC, Version 2.2. |
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Resources: ARCOM

Green Building / LEED Information

As an active member of the U.S. Green Building Council (USGBC), ARCOM supports LEED initiatives by:

- Determining which items in the LEED Rating System are affected by specifications.
- Correlating LEED requirements with the relevant MASTERSPEC sections.
- Modifying MASTERSPEC section text and evaluations to facilitate compliance.
- Incorporating LEED considerations in the MASTERSPEC updating process.
- Publishing Specifying LEED Requirements — a valuable resource in print and on CD-ROM.

MASTERSPEC addresses green building considerations by featuring:

- Three Division One LEED-related sections:
 - o Sustainable Design Requirements
 - o General Commissioning Requirements
 - o Construction Waste Management and Demolition
- Over 350 sections with LEED requirements submittals/notes.

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Resources: ARCOM

Specifying LEED Requirements Reference Book and CD ROM

ARCOM Offers Specifying LEED Requirements Book and CD ROM 2nd Edition

This comprehensive LEED Specification Reference Tool includes:

- Over 800 pages of valuable information
- An overview of LEED requirements and a checklist of relevant specification sections
- Three, full-length Division One MASTERSPEC sections needed for LEED Certification
- MASTERSPEC 2008 MASTERSPEC 2008 conversion matrices
- Relevant specification text and instructions extracted from over 200 MASTERSPEC sections
- LEED NC 2.2, CI 2.0, CS 2.0

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Resources: WBDG

Federal Green Construction Guide for Specifiers

Welcome!

To begin, either select a division in the left-hand navigation or browse the [guide table of contents](#).

To download the entire Guide, [click here for PDF](#) or [MS Word DOC](#).

Thank you for your interest in the Federal Green Construction Guide for Specifiers!

To address the need for a comprehensive guide for procuring green building products and construction services within the Federal government, EPA has partnered with the Federal Environmental Executive and the Whole Building Design Guide (WBDG) to develop the Federal Green Construction Guide for Specifiers.

Guide Objectives

To help federal agencies meet their project-specific environmental goals and mandates including:

- Federal Leadership in High Performance and Sustainable Buildings Memorandum of Understanding
- EPA's Final Guidance on Environmentally Preferable Purchasing
- Greening of Government Executive Orders
- EPA's Comprehensive Procurement Guidelines for recovered content

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Resources: WBDG

Green Building Design Guide

Green Building Design Guide

1. **Project Context**

- 1.1. **Project Context**
- 1.2. **Project Context**
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Resources: BuildingGreen.com

CSI Divisions

- 01. General Requirements
- 02. Existing Conditions
- 03. Concrete
- 04. Masonry
- 05. Metal
- 06. Wood, Plastic, and Composites
- 07. Thermal and Moisture Protection
- 08. Openings
- 09. Finishes
- 10. Partitions
- 11. Equipment
- 12. Furniture
- 13. Special Construction
- 14. Coverings
- 15. Finishes
- 16. Heating, Ventilating, and Air Conditioning (HVAC)
- 17. Electrical
- 18. Communications
- 19. Security
- 20. Transportation
- 21. Construction Methods
- 22. Construction Methods
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- 100. Construction Methods

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Resources: CSI Green Format

GreenFormat Find the Right Green Products for Your Project

- Search "Green" Product Information
- Evaluate the Green Characteristics of Products
- Choose the Products that Fit Your Project
- Obtain Specialty Results

Find a Product

Free Search:

- MasterFormat Number - 100 00 00
- Product Type - Floor
- Search
- Designers & Specifiers: Learn how GreenFormat makes product searches quick & easy in this [FAQ](#)

List a Product

- Add a Product to GreenFormat
- Create "List"
- Results or Login to your account
- Review existing entries or start a new one!
- Terms and Conditions
- Manufacturers: Learn how to list your products in this [FAQ](#)

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