

# Setting Standards for Sustainability

## ASTM International Committee E60

October 6, 2009  
ANSI Panel on Building  
a Sustainable Future



**INTERNATIONAL**

# What is ASTM?

## An Introduction to ASTM International

- Voluntary consensus standards for materials, products, systems and services
- Standards for more than 100 industrial and management sectors
- Proven, practical, vital
- Established in 1898



# What is ASTM International?

- Globally relevant, technically excellent
  - Complies with World Trade Organization principles for the development of international standards; Annex 4 of WTO Technical Barriers to Trade Agreement
  - All stakeholders invited
  - Public and private sector cooperation
  - Electronic tools for document development and delivery
  - Standards used in research and development, product testing and quality systems



# ASTM International and Sustainability

Many ASTM International committees address sustainability: infrastructure/built environment, water, agriculture, energy, products, waste, materials, and toxics (partial list):

- C01 on Cement
- C09 on Concrete and Concrete Aggregates
- C16 on Thermal Insulation
- D02 on Petroleum Products and Lubricants
- D03 on Gaseous Fuels
- D04 on Road and Paving Materials
- D05 on Coal and Coke
- D18 on Soil and Rock
- D19 on Water
- D20 on Plastics
- D22 on Air Quality
- D34 on Waste Management
- E06 on Performance of Buildings
- E35 on Pesticides and Alternative Control Agents
- E44 on Solar, Geothermal and Other Alternative Energy Sources
- E47 on Biological Effects and Environmental Fate
- E48 on Biotechnology
- E50 on Environmental Assessment, Risk Management and Corrective Action
- F40 on Declarable Substances in Materials



# Committee E60 Facts and Figures

- Committee Established October 2008
- 500+ Members
- Technical Subcommittees
  - E60.01 Buildings and Construction
  - E60.02 Hospitality
  - E60.80 General Sustainability Standards
- Administrative Subcommittees
  - E60.90 Executive
  - E60.91 Strategic Planning
  - E60.95 Student Liaison and Affairs



# ASTM Sustainability Database

<http://www.astm.org/COMMIT/sustain.html>

- 500+ ASTM standards
- 300+ standards from other organizations
- Open submission process



# Current Sustainability Standards

- Sustainability Standards
  - 10+ published standards for sustainable buildings and construction
  - Key document: ASTM E2432, Standard Guide for General Principles of Sustainability Relative to Buildings
  - E2114, Terminology for Sustainability Relative to the Performance of Buildings



# Standards under Development

- Draft Standards
  - 6 draft standards related to sustainability in infrastructure/buildings
    - ✧ Minimum requirements for a building promoting sustainability, assessing rain water quality, water stewardship, marketing and product claims related to sustainable buildings, and more
  - 9 draft standards for sustainability in hospitality
    - ✧ Practices for evaluating and selecting hotel and meeting accommodations, other event spaces, food and beverage, and more





# Looking Ahead

- E60 Planned Work
  - Topics:
    - ✧ Infrastructure
    - ✧ Packaging
  - Forum Discussions:
    - ✧ Plastic
    - ✧ Life Cycle Assessment



# Future Meetings

- **October 18-19, 2009**  
Life Cycle Assessment Workshop  
ASTM October 2009 Committee Week  
Atlanta, Ga.
- **October 20-22, 2009**  
ASTM October 2009 Committee Week  
Atlanta, Ga.
- **April 12-14, 2010**  
ASTM April 2010 Committee Week  
St. Louis, Mo.



# Thank you

For more information about ASTM Committee E60

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