

**FINDING INFORMATION ON GREEN BUILDING MATERIALS, rev.**  
Environmental Design Library, UC Berkeley, June 10, 2011

**GETTING STARTED**

[Green Design / Sustainable Architecture Resources](#). A guide to print and electronic resources, by UCB Environmental Design Library, 2011.  
see section on Building Materials

[Building Codes and Regulatory Resources](#), A guide, by UCB Environmental Design Library, 2011

[Electronic Resources by Subject, UCB Libraries](#)

See    Architecture  
      Environmental engineering  
      Materials Science  
      Chemistry

**SUBJECT HEADINGS & KEYWORDS**

Building, Fireproof -- Standards -- United States.  
Building laws -- California  
Building materials -- Standards -- United States.  
Dwellings – Insulation – Standards  
Dwellings -- California -- Heating and ventilation -- Handbooks, manuals, etc.  
Dwellings -- Energy conservation -- Law and legislation -- California.  
Buildings -- Energy conservation -- Law and legislation -- California.  
Insulation (Heat) -- California -- Standards.  
Fire retardants  
Fire resistant materials  
    -- Testing  
    -- Toxicity testing  
Fireproofing agents  
Public buildings -- Fires and fire prevention -- United States -- Periodicals.

**STANDARDS and CODES**

[California Green Building Standards Code. CalGreen](#). California Code of Regulations, Title 24 , pt. 11. 2010. [http://www.hcd.ca.gov/codes/shl/2010\\_CA\\_Green\\_Bldg.pdf](http://www.hcd.ca.gov/codes/shl/2010_CA_Green_Bldg.pdf)

[California Building Codes online via Public.Source.org](#)

Print: **California Building Code** EnvDes Reserve KFC813A42 2010  
Print: **California Energy Code** EnvDes Reserve KFC424A3592 2010  
Print: **California Fire code** EnvDes Reserve KFC644 .A33 2010

[ASTM Standards and Engineering Digital Library](#), UCB Only American Society of Testing Materials. collection of industry-leading standards and technical engineering information. Covers a broad range of engineering disciplines, including chemical, civil, environmental, health and safety, industrial, materials science and more.

[NSSN](#), A National Resource for Global Standards is a search engine that provides users with standards-related information from a wide range of developers, including organizations accredited by the American National Standards Institute (ANSI), other U.S. private sector standards bodies, government agencies and international organizations.

[International Building Code Fire Test Requirements](#), explanation/information on fire ratings of foam insulation from commercial product manufacturer SprayFoam.com

**Illustrated 2009 building code handbook** / Terry L. Patterson. New York : McGraw-Hill ; 2010. EnvDes Ref TH420 .P38 2010

**2009 International Building Code** / International Code Council. Country Club Hills, IL: International Code Council, Inc., 2009. EnvDes Ref TH228 I58 2009.

**Life safety code handbook: with the complete text of the 2000 edition of NFPA 101, Life Safety Code** / edited by Ron Coté. Quincy, Mass.: National Fire Protection Association, 2000. EnvDes Ref TH9445.P8 L72 2000

**NFPA fire prevention code.** 2000 ed. Quincy, Mass.: National Fire Protection Association, c2000. EnvDes Ref TH9182 .N48 2000

### **MATERIALS—DIRECTORIES, SELECTION, SPECIFICATIONS**

[Sweets Catalog](#) Products for general building and renovation. New York, NY: McGraw-Hill, annual. EnvDesign Ref TH455 S7864 Ref; <http://products.construction.com>  
see sections on Thermal Insulation; Fire Suppression.  
Includes contact info, websites for vendors of products

**McGraw-Hill Construction Sweets Catalog File: 2009 Architects, Engineers & Contractors Desktop Index** / McGraw Hill Construction Sweets Network. New York: McGraw-Hill Construction Sweets, 2009. EnvDes Ref TH455 S7864 2009 Index.

**Sweets Directory 2009** / McGraw Hill Construction Sweets Network. New York: McGraw-Hill Construction Sweets, 2009. EnvDes Ref TH455 D57 2009.

[Healthy Building Network](#) archive of information on PVC in building materials

[Pharos Project](#) an online building product library evaluating the health and environmental impact of building materials plus a chemical hazard library providing information on health hazards from 1000s of chemicals and polymers

[US Environmental Protection Agency, Design for the Environment Program](#) includes many useful reports and publications.

**Building Materials for the Environmentally Hypersensitive** / Canada Mortgage and Housing Corporation. Ottawa: Canada Mortgage and Housing Corporation, 1997. EnvDes TA403.6 B85 1997.

**Building Smarter with Alternative Materials** / Frechette, Leon A. Carlsbad, CA: Craftsman Book Company, 1999. EnvDes TA403.8 F73 1999.

**Designing with Vision: A Technical Manual for Material Choices in Sustainable Construction** / Integrated Waste Management Board. Sacramento, CA: California Environmental Protection Agency, 1999. EnvDes TA 403.6 D47 1999.

[Environmental Impact Assessment of Selected Halogenated Chemicals, Staff Report](#), California Environmental Protection Agency, Air Resources Board, March, 2008.

**Fire Resistance Directory 2003 -Volume I** / Underwriters Laboratories, Inc. Northbrook, IL: Underwriters Laboratories, Inc., 2003. EnvDes Ref TH 1091 U5 2003: 1.

[Fire retardant materials](#) [electronic resource] UCB Only / edited by A.R. Horrocks and D. Price. Boca Raton, FL: CRC Press; Cambridge, England: Woodhead, 2001  
UC Only

**Green Building Materials: A Guide to Product Selection and Specification** / Spiegel, Ross and Dru Meadows. Hoboken, NJ: John Wiley & Sons, Inc., 2011. EnvDes Ref TH455 S65 2012.

**Green Building Products: The GreenSpec Guide to Residential Building Materials** / Wilson, Alex and Mark Piepkorn. Brattleboro, VT: Building Green, 2008. EnvDes Ref TH 445 G739 2008.

**Green Building Resource Guide** / Hermannsson, John. Newtown, CT: Taunton Press, 1997. EnvDes Ref TH455 H47 1997.

[Green Building Sustainable Sourcebook](#) Maintained by Austin Energy. An online resource for green building. Includes sections on Energy and Building Materials

**Green Design: A Guide to the Environmental Impact of Building Materials** / Fox, Avril and Robin Murrell. London: Architecture Design and Technology Press, 1989. EnvDes Ref TA403.6 F68 1989.

**The Green Studio Handbook: Environmental Strategies for Schematic Design** / Kwok, Alison G. and Walter T. Grondzik. Amsterdam: Architectural Press, 2007. EnvDes TH880 K87 2007.

**GreenSpec Directory: Product Listings & Guideline Specifications** / edited by Alex Wilson, Nadav Malin, Mark Piepkorn, and Jennifer Atlee. Brattleboro, VT: Building Green, 2007. EnvDes Ref TA403.6 G74 2007.

[Handbook of building materials for fire protection](#) [electronic resource] UC Only / Charles A. Harper, editor-in-chief. New York : McGraw-Hill, c2004. Print EnvDes TH1065 .H363 2003

[Home insulation basics \[electronic resource\]: higher r-values = higher insulating values.](#) [Washington, D.C.]: Federal Trade Commission, Bureau of Consumer Protection, Office of Consumer and Business Education, [2000]

**LEED materials: a resource guide to green building** / Ari Meisel. New York, NY : Princeton Architectural Press, c2010. EnvDes TH12.5 .M45 2010

**Material World 2: Innovative Materials for Architecture and Design** / compiled by Materio. Amsterdam: Frame Publishers, 2006. EnvDes TA 403.6 M368 2006.

**Materials for Architects and Builders** / Lyons, Arthur. Amsterdam: Elsevier Butterworth-Heinemann, 2004. EnvDes Ref TA403 L96 2004.

**Materials: Innovation & Design** / Kottas, Dimitris. Barcelona: Linksbooks, 2011. EnvDes TA403.6 K68 2011.

**Materials Matter III** / designed by Matthew McNerney. New York: Material ConneXion, 2009. EnvDes TA403.6 M38 2009.

**Materials for Sustainable Sites: A Complete Guide to the Evaluation, Selection, and Use of Sustainable Construction Materials** / Calkins, Meg. Hoboken, NY: John Wiley & Sons, Inc., 2009. EnvDes TH880 C35 2009.

**Ultra Materials: How Materials Innovation is Changing the World** / Beylerian, George M. and Andrew Dent. New York: Thames & Hudson Inc., 2007. EnvDes TA403.6 B45688 2007.

### **INDEXES & ABSTRACTS (Journal Literature, reports, etc.)**

[Academic Search Complete](#) via EbscoHost- UC Only. A multidisciplinary index to articles in more than 10,900 journals; full text for 5300+ journals.

[Avery Index to Architectural Periodicals](#) via CSA. UC Only. the primary article index for architecture and all aspects of environmental design.

Recommended subject or keywords:

*insulation (heat) environmental aspects;*

*building materials environmental aspects;*

*fire resistant materials;*

*fireproofing*

[BuildingGreen.com](#) (UCB Only) an independent company committed to providing accurate, unbiased, and timely information designed to help building-industry professionals and policy makers improve the environmental performance, and reduce the adverse impacts, of buildings. Includes case studies, *Environmental Building News*, and *GreenSpec*, and more.

[Energy Citations Database](#) – More than 2.6 million citations on chemistry, materials, environmental science, engineering. Includes report literature, conference papers, journal articles, books, dissertations, and patents. Regular updates from Department of Energy's Office of Scientific and Technical Information.

[Environmental Sciences and Pollution Management Database](#) - UCB Only. Indexes over 6,000 journals, conference proceedings, reports, monographs, books, and government publications. Includes Ecology Abstracts, Health and Safety Science Abstracts, Pollution Abstracts.

[GreenFILE](#) - UCB Only. Covers all aspects of human impact on the environment. Includes scholarly, government and general-interest titles. Topics include global warming, green building, pollution, sustainable agriculture, renewable energy, recycling and more.

[Environmental Building News](#) - UCB Only. Brattleboro, VT: West River Communications, available online via BuildingGreen.com

[NTRL \(National Technical Reports Library\)](#) gateway to indexes, abstracts, and technical reports of the National Technical Information Service (NTIS). Especially good for construction and related technical architectural information.

[Compendex](#) UCB Only Indexes more than 5,000 journals, conferences, technical reports and other materials related to engineering and technical literature and encompasses civil, structural, and mechanical engineering disciplines.

