

INDEX

- Accessories, 377–384
 antiques, collectibles, 380
 IFAT International Fair Trade Association, 379–380
 questions for manufacturers, 102
- Adhesives, 105, 249–250
 questions for manufacturers, 96
- Allergies. *See* MCS
- American Institute of Architects (AIA), 8–9, 11, 19, 388
 Committee on the Environment (COTE), 6, 388
- American Lung Association, 13, 69
- American Society of Interior Designers (ASID), 6, 388
- American Society of Testing Materials (ASTM), 3
- Anderson, Ray, 7, 40–41, 401, 405
- Appliances and equipment
 dishwashers, 270
 dryers, 272
 EnergyGuide Label, 264
 ENERGYSTAR, 105, 263–278
 garbage disposals, 270
 kitchen, laundry and office, 19–20, 263–278
 microwaves, 268
 questions for manufacturers, 97
 ranges, cooktops and ovens, 266
 range hoods and ventilation, 268
 recycling, 275, 277
 refrigerators and freezers, 265–266
 small appliances, 268–270
 washers, 271
- Architects, Designers & Planners for Social Responsibility (ADPSR), 6, 388
- Area rugs, 369–372
 recovery and recycling, 13
 questions for manufacturers, 101
 Rugmark, 370
 rug pads, 371
- Arkin Tilt Architects, 43–44
- Artwork, 377–384
 framing, 382–383
 questions for manufacturers, 102
 recovery and recycling, 13
- Associates III, 54–55
- Badanes, Steve, 38–40
- Baker-Laporte, Paula, 31–33
 Bau-biologie, 33
 Baker Laporte & Associates, 50–51
- Bamboo
 cabinetry, 326
 case pieces, 347
 flooring, 52, 106, 197–201
 and questions for manufacturers, 92
 wall paneling, 228
- Bedding
 allergies, 364
 bed linens, 100, 367
 filler materials, 363–367
 frames, 361–362
 labeling, 339, 366
 mattresses, 361–363
 polyactide acid (PLA), 367
 polybrominated diphenyl ethers (PBDE), 356
- Benyus, Janine, 30, 33–34
Biomimicry, 33–34
- Berman, David, 47–48
- Biocomposites, 153, 157–158. *See also* Wheatboard
 cabinetry, 325
 case pieces, 347
 flooring, 206–208
 wall paneling, 228
- Biodegradable, 80, 81
- Blue Angel Mark, 81
- Borate, 154, 158, 207
- Braungart, Michael, 27–29, 63, 401.
See also MBDC
- Brower, David, 15, 30
- Brundtlund Commission (1987), 2
- Building related illness (BRI), 17
- Cabinetry and shelving, 106, 322–330
 questions for manufacturers, 97
- Carney Architects, 45–46
- Carpet, 64, 106, 219–224
 adhesives, 223
 formaldehyde, 220
 HEPA filtered vacuums, 223
 latex, 220, 221
 padding, 222
 questions for manufacturers, 95
 recycling, 221
 styrene butadiene, 222
 underlayment, 222
- Carpet & Rug Institute, 14
 Green Label program, 220
- Carson, Rachael, 5, 400, 405
- Case pieces
 biocomposites, 347
 metal and finishes, 347–349
 questions for manufacturers, 99
 wood and composites, 346
- Certification
 standards, 74–76
 third-party, 75, 143–145
- Charrette, 61
- Chromium, 78
- Compact fluorescent lightbulbs (CFL), 20

426 INDEX

- Concrete, 111–120
 admixtures, 113, 117
 aggregates, 112–113, 117, 305
 cast on-site, 116
 cement, 112
 countertops, 53, 305–307
 floors, 53, 116
 flyash, 113, 114
 pigments, stains, paints, 117, 118
 polishing, 118
 pre-cast, 116, 284
 questions for manufacturers, 88
 recovery and recycling, 13
- Consortium for Energy Efficiency (CEE), 19
- Construction and Demolition (C&D) waste
 job-site procedures, 64
 reduction and management, 21, 22, 58, 60
 strategies, 65
- Construction Specification Institute (CSI), 86–87
- Cork
 flooring, 106, 202–205
 questions for manufacturers, 93
 styrene butadiene, 203
- Costs
 budgets, 60
 Costs and Benefits of Green Buildings, 69–71
- Cotton. *See* Textiles
- Council for Interior Design Accreditation (CIDA), 7–8
- Countertops, 107. *See also* Tile, Linoleum, Stone, Wood
 bamboo, 326
 ceramic tile, 314–316
 composite or synthetic, 308, 318–320, 326
 concrete, 53, 305–307
 glass and glass tile, 56, 316–318
 laminate or solid surface, 318–320, 326
 linoleum, 320
 metal, 130, 309
 paper and resin, 52
 stone, 307
- Cradle to Cradle, 75
- Cultural Creatives, 396
- David Bergman, 47
- The David Suzuki Foundation, 404
- Design for Disassembly, 59
- Design for Future Reuse, 79
- donnalynn Design and Interiors, 53
- Doors and windows, 161–172
 ENERGYSTAR rating, 168–169
 hardware, 130, 170
 interior doors, 105, 163–164
 low-E glazing, 167
 National Fenestration Rating Council (NFRC), 163, 168, 169
 questions for manufacturers, 90
 windows and exterior doors, 165–169
 Window Selection Tool, 168
- Dujardin, Trudy, 35–36
- Eco Interiors, 51
- Ecology Movement, 5, 39
- Electric and magnetic fields (EMF), 16
 Electromagnetic waves (EMF), 134
- Electrical. *See* Lighting
- Energy
 conservation, 3, 15, 59, 60
 efficiency, 3, 19, 53, 58, 394, 395
 reduction, 78
 savings, 70, 395
- EnergyGuide Label, 264, 265
- ENERGYSTAR
 appliances and equipment, 19, 53, 55, 76, 97, 107, 263–278
 homes, 67, 68
 light fixtures, 299, 301
- Environmental
 champion, 6, 60, 62, 64
 principles, 58, 74, 403
 stewardship, 4, 5, 395
 Sustainable Manufacturing Practices, 77
- Environmental Building News (EBN), 21
- Environmental Defense Fund (EDF), 140
- Environmentally preferable products (EPP), 76
- Environmental Protection Agency (EPA), 14, 22, 78, 82, 277
- Fabrics. *See* Textiles
- Finishes, 78, 173–251. *See also by material type*
 adhesives and glues, 249–250
 finishes, sealants and topcoats, 249
 questions for manufacturers, 91
 recovery and recycling, 12
 stains, colorants and tints, 248–249
 VOCs 248–250
- Fireplaces
 fireplaces and stoves, 255–260
 inserts, 256
 masonry stoves, 257
 metal surrounds, 130
 questions for manufacturers, 96
- Forest Stewardship Council (FSC), 52, 76, 143–145, 152, 209
- Formaldehyde
 emissions, 15, 151, 152
 carpet manufacturing, 220
 finishes, 322, 157
- Furniture (furnishings), 303–384
 accessories and art, 377–384
 area rugs, 369–372
 cabinetry, 322–330
 case pieces, 342–352
 countertops, 304–322
 lighting, 358–361
 mattresses and bedding, 361–369
 questions for manufacturers, 97
 recovery and recycling, 13
 textiles, 330–342
 upholstery, 352–358
 window treatments, 372–377
- Future generations, 23, 65
- Genetically modified organisms (GMO), 210
- Glass and glass tile, 56, 316–318
 recovery and recycling, 13, 317
 recycled content, 52, 192, 316

- Gore, Al, 401–402
- Graybeal Architects, 48–49
- Green Building Programs, 67–69
- Green Business Development, 385–397
- Anderson, Ray, 404
- cost considerations, 391, 393, 395
- Costs and Financial Benefits of Green Buildings*, 69–71
- Cultural Creatives, 396
- Hawken, Paul, *The Ecology of Commerce*, 385
- external branding, 386
- market differentiation, 390
- networking, 387
- outreach, 392
- professional and industry organizations, 388
- relationship building, 386
- strategic planning, 391
- successful projects, 392
- target markets, 389
- value bonding, 394, 396
- Greenguard Certification Program, 76
- Greenpeace, 209
- Green product criteria, 83
- Green seal, 76, 244
- Gregory, Bert, 37–38
- Gypsum
- board or drywall, 174, 185–188
- plaster, 175
- questions for manufacturers, 91
- recycling of, 187
- synthetic, 187
- Hagman Architects, 52
- Hawken, Paul, 7, 34, 41, 385, 400, 402
- Hazardous emissions, 78
- Hazardous substances
- arsenic, 84, 142, 154, 176
- benzene, 84, 125
- cadmium, 84, 131, 191, 276
- chromium, 131
- lead, 84, 131, 164, 191, 237, 241, 246, 276
- mercury, 84, 131, 276
- OSHA, 131
- PCB, 84
- Top 20 List, 84
- toluene, 78, 125
- vinyl chloride, 84
- Health
- occupants and productivity, 3, 395
- high performance buildings, 62
- High-efficiency Particulate Arrest (HEPA) filter, 66
- Indoor Air Quality (IAQ), 55, 58, 59, 109, 395. *See also* Formaldehyde analyzing, 80
- pollutants, 13, 14, 15, 17–19
- Indoor Environmental Quality (IEQ), 3, 14
- Integrated design
- challenges, 62
- charrette, 61
- goals, 60
- holistic approach, 61–62
- Interior designer's role, 63
- Interior design
- schematic design, 59
- fixed interior finishes, 87
- fixed interior specifications, 108
- fixed checklist, 87, 105–107
- furniture specifications, 108
- manufacturers questionnaire, 88–104
- International Interior Design Association (IIDA), 388
- Leadership in Energy and Environmental Design (LEED), 68, 108, 387, 388, 392
- Leather
- dyes, 201, 326
- flooring, 201
- questions for manufacturers, 93, 99
- tanning, 201, 326
- wallcovering, 228
- Life cycle cost, 12, 58
- Lighting, 58, 105, 293–302, 358–361
- automatic controls, timers, 299
- color rendering index (CRI), 296
- dimmers, 298
- ENERGYSTAR, 299, 301
- fixtures, 299
- lamp bases and fixtures, 359
- lightbulbs, 295–298, 359
- occupancy sensors, 299
- pollution, 300
- questions for manufacturers, 103
- recycling, 301
- shades, 359
- Linoleum, 53, 106
- countertops, 320–322
- flooring, 214–216
- questions for manufacturers, 94
- Locally manufactured, 79
- regional or local materials, 12
- Low impact building materials, 9, 79
- Lovins, Hunter, 29–31
- Natural Capitalism*, 29, 401
- Rocky Mountain Institute (RMI), 30
- Maintenance
- home maintenance, 58, 66–67, 274, 290, 291, 341
- low toxic products, 23, 66
- recycling center, 66
- Masonry, 121–127 *see also* stone dry-stack, 124
- National Mining Association, 123
- questions for manufacturers, 88
- quarrying and mining, 122–123
- recovery and recycling, 13
- underlayments, 125
- Material Safety Data Sheet (MSDS), 59, 83–86, 117, 191, 231, 248, 250
- Mazria AIA, Ed, 19
- McDonough Braungart Design Chemistry (MBDC), 27, 63, 401
- McDonough, William, 25, 27–29, 63, 401. *See also* MBDC
- Meadows, Dr. Donella, 402
- Medium density fiberboard (MDF), 322
- formaldehyde-free, 15

428 INDEX

- Metals, 129–137
 aluminum, 131, 136, 309
 copper, 130, 134, 135, 136, 284, 309
 countertops, 309
 depletion, 9
 finishes, 133–134
 hardware, 170, 374
 heavy metals, 131
 minimills, 132, 133
 plating, 133
 questions for manufacturers, 89
 recycled content, 130, 131–132, 310
 steel, 132, 133, 134, 309
 zinc, 131, 133, 154, 309
- Methylenediphenyl isocyanate (MDI), 152, 157, 325
- Muir, John, 5
- Multiple chemical sensitivities (MCS), 17, 174, 191, 217, 395
 environmental illness, 35
 bedding, 338, 363, 366
 carpet, area rugs, 220, 222, 370
 related materials, 113, 151, 220
- National Association of Home Builders (NAHB), 153
- National Resources Defense Council (NRDC), 5, 153, 284, 389
- Net-Zero-Energy Home Coalition, 20
- Openings. *See* Doors and Windows
- OSHA, Occupational Safety and Health Administration, 18, 83–85, 131
- Packaging and shipping
 recyclable materials, 78
 reduced materials, 80–81
 shipping and handling, 82
 EPA's Smartway Transport Partnership, 82
- Paints, 229–247
 casein or milk paint, 234
 conventional, 240
 faux finishes, 130, 232, 243
 formaldehyde, 242
 Green Seal certified, 244
 lead, 241, 242, 246
 organic, 237–239
 polyvinyl acetate (PVA), 241
 primer, 245–246
 questions for manufacturers, 96
 recycled, 244
 remanufactured, 243
 sampling, 238
 silicate dispersion, 235
 titanium, 241
 VOCs, 15, 56, 64, 230–233, 240, 241
- Passive solar
 daylighting, 59, 163
 windpower, 59
- Pesticides, 66
- Plaster
 cement, 178
 Earth-based, Earthen, 50, 182, 183
 gypsum, 174, 175, 176
 integral colored, 52, 56
 lime, 178
 questions for manufacturers, 91
 recovered content, 175
 silicosis, 186
 synthetic content, 175
 veneer, 176
 Venetian, 181
- Plastics
 recycled content, 349
 recovery and recycling, 12
- Plumbing, 279–291
 composting toilets, 283
 dual flush, 56, 282
 fittings(faucets), 286–287
 graywater, 285, 288
 lavatories and sinks, 284–285
 questions for manufacturers, 103
 showers and tubs, 286
 toilets and bidets, 279–284
 ultra-low flush, 282
 waterless urinals, 283
- Quinn, Daniel, 2
- Radon, 116, 124
- Recycled
 material content, 10, 58–59, 76, 337, 349, 395
 postconsumer material, 10, 74, 77
 recovered industrial process, 10
 reusable materials, 79
- Recycling
 downcycling, 77, 153
 Freecycle, 345
 in-home center, 66, 107
 lightbulbs, 301
- Reduced
 material content, 76
 resources, 10,
 toxic emissions, 78
- Renewable
 material content, 12, 59, 60, 64, 74, 77, 395
- Resource
 conservation, 58
 efficiency, 3, 58, 59
 recovery and recycling, 12
- Rubber flooring, 216
- Samples, 82, 238
- Shower enclosures, 254
- Sick building syndrome (SBS), 17, 220
- Stone
 depletion, 9
 questions for manufacturers, 88, 92
 stone and brick, 122–124
- Sustainability, 5, 24
- Sustainable manufacturing practices, 77
- Terrazzo
 flooring, 217–219
 questions for manufacturers, 92
- Textiles, 330–342. *See also* Leather bed linens, 100
 bio-based synthetics, 336, 367
 cleaning, 340–341
 cotton, 333–334, 363
 dyes, 338
 hemp, 335

- jute, 335
- labeling, 339, 366
- leather and skins, 334
- linen, 335
- Organic Trade Association (OTA), 332
- questions for manufacturers, 98–99, 100
- ramie, 335
- recycled content, 337
- silk, 335
- sisal, 335
- treatments, 338, 356, 366
- wool, 334, 363
- wool rugs, 56
- Tile, 188–196
 - adhesives and mastics, 194, 313
 - ceramic and quarry, 188, 190–192, 314–316
 - clay, 190
 - glass, 192, 316–318
 - grout, 195, 315
 - mortar, 194, 315
 - questions for manufacturers, 91
 - sealant, 195, 315
 - underlayment, 194, 315
- Upholstery, 352–358
 - backings and barrier cloths, 355–356
 - battings, 354–355
 - fabrics and trim, 353–354
 - fillers and foams, 354–355
 - polybrominated diphenyl ethers (PBDE), 356
 - questions for manufacturers, 100
 - textiles, 330–342
 - webbings, 355–356
- USGBC, United States Green Building Council, 3, 9, 20, 388, 392
- Vinyl
 - polyvinyl chloride (PVC), 12, 371, 374
- Volatile organic compounds (VOC).
 - See also* IAQ
 - adhesives, 15, 56
 - finishes, 15
 - formaldehyde, 15
 - grout, 56
 - paints, 15
 - sealants, 125
 - smog-causing, 78
 - solvents, 15
- Wall treatments. *See also* Plaster, Tile, Gypsum, Paint
 - bamboo paneling, 228
 - composite or agboard paneling, 228
 - cork, 227
 - leather, 228
 - paint and coatings, 229
 - paper and non-woven, 226
 - PVC-vinyl, 224
 - questions for manufacturers, 95
 - wall finishes, 106
 - wallcoverings, 224–229
 - wood paneling, 228
 - woven, 227
- Water
 - American Water Works Association (AWWA), 21, 278
 - conservation, 15, 20, 58, 59
 - efficiency, 107, 395
 - plumbing efficiency, 280–291
- Wedlick, Dennis, AIA, 1, 7
- Wheatboard, or agriboard, 53, 77, 157
- Window treatments, 372–377
 - blinds, 375
 - controls, 375
 - draperies and textiles, 374
 - hardware, 376
 - insulating treatments, 375
 - questions for manufacturers, 101
 - shutters, 374
- Wood and composites, 139–160
 - binders, 152, 157
 - cabinetry, 320–328
 - case pieces, 342–352
 - certified, 144
 - composites, 90, 325
 - countertops, 312
 - depletion, 9
 - Endangered Species List, Rainforest Action Network (RAN), 147–151
 - engineered, 151, 210
 - Forest Stewardship Council (FSC), 143–145, 209, 323
 - flooring, 106, 208–213
 - questions for manufacturers, 89
 - millwork, recovery and recycling, 13
 - Rediscovered Wood Operations (RWO), 143, 324
 - recovery and recycling, 13 156
 - reclaimed (salvaged), 142, 209, 312, 324, 343
 - Sustainable Forestry Initiative (SFI), 145
 - SmartWood, Rainforest Alliance, 142, 145, 324
 - suppressed, 145
 - surfaces, finishes, 105, 155
 - sustainably harvested, 50, 52, 59, 141
 - trim and millwork, 107
 - World Health Organization (WHO), 14, 20
 - Worldwatch Institute, 9
- Wool
 - area rugs, 56, 371
 - mattresses, 363
 - questions for manufacturers, 94
 - rug pads, 371