

MATERIALS FOR DESIGN

2

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Materials for Design 2

As architecture programs throughout the world break out of the classroom and adopt the holistic methods of design/build programs, **MFD 2** is a survey that bridges the gap between construction materials and design sensibility.

Authors Victoria Ballard Bell and Patrick Rand have revisited the format of their award-winning first volume and present sixty new case studies of materials put to imaginative use by today's brightest architects. Bell and Rand introduce each material type—glass, concrete, wood, metal, plastic, and masonry units—with new text describing its history and significance.

Contemporary practice calls for new insights into the use of materials, and industries have made new materials and processes available for designers to use as they address emergent objectives.

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Glass

Basque Health Department Headquarters
Bilbao, Spain
Cobi-Berrou Architects

Glass Townhouses
Venice, California, USA
Sander Architects

Factory Extension
Murcia, Spain
Clavel Arquitectos

Diana Center at Barnard College
New York, New York, USA
West/Matfired Architects/Landscape/Urbanism

Spiral Gallery
Shanghai, China
Aster Dehaus

The Crystal (Nykredit Bank)
Copenhagen, Denmark
Schmidt Hammer Lassen Architects

Cité du Design
Saint-Etienne, France
LIN Architects

Ernst Koller Pavilion
Basel, Switzerland
Bernel Bernel Krübler Architekten

Apple Flagship Store
Shanghai, China
Bolin Cywinski Jackson



Concrete

Hämeenlinna Provincial Archive
Hämeenlinna, Finland
Höökkinen-Nieminen Architects

Casa Pentimento
Quito, Ecuador
Jose Maria Sáez + David Barragán

Design Indaba 10x10 Housing Project
Cape Town, South Africa
Design Space Africa Architects (formerly MMA Architects)

Hanil Visitors Center and Guesthouse
Chungbuk, Korea
BCHO Architects with CAST (Center for Architectural Structures and Technology)

Harmonia 57
São Paulo, Brazil
Triglyph

Hiroshi Senju Museum
Kanazawa, Nagano, Japan
Ryue Nishizawa

Italian Pavilion at World Expo 2010
Shanghai, China
Indecor Architects

Nk'Mip Desert Cultural Centre
Osoyoos, British Columbia, Canada
D&LDO (formerly Weston Baker Boniface Haden)

RATP Bus Center
Paris, France
ECOM



Wood

Stork Nest Farm
Idr-Serwin, Olomouc, Czech Republic
SGL Projekt

Private Residence in Riedikon
Unter, Switzerland
Dramatic & Kohler

Vilki Church
Helsinki, Finland
JMM Architects

See Ker Tie House
Nakh Si, Thailand
TYIN Tegesue Architects

Harry Parker Community Boathouse
Boston, Massachusetts, USA
Ammann Winton Architects

EcoWoodBox Kindergarten
Hannover, Germany
Dresang Architekten

Nature Boardwalk at Lincoln Park Zoo
Chicago, Illinois, USA
Studio Gang Architects

Dairy House Annex
Hadspen Estate, Somerset, England, UK
Skene Carting de la Polle

Metropol Parasol
Seville, Spain
J. Mayer H. Architects

Skating Shelters
Winnipeg, Manitoba, Canada
Parkau Architects



Metals

Tampa Museum of Art
Tampa, Florida, USA
Stanley Saitowitz / Natoma Architects

St. Andrews Beach House
Victoria, Australia
Sean O'Donnell Architects

Prefabricated Nature
Cadiz, Spain
MYCC Architects

OMS Stage
Winnipeg, Manitoba, Canada
S&B78 Architecture

Lady Bird Lake Hiking Trail Restrooms
Austin, Texas, USA
Mud Rivers Architects

Kunst-Depot, Henze & Ketterer Art Gallery
Wetzlar, Switzerland
Gigon/Guyer Architekten

Herstedlund Fælleshus Community Centre
Albertslund, Denmark
Dorte Mandrup Arkitekt

Halfecture 0
Chiba-ku, Osaka, Japan
Shuhei Endo

Cantonal School Canteen
Wettingen, Switzerland
mizd

Artists' Studios in Aberystwyth
Aberystwyth, Wales, UK
Heatherwick Studio



Plastics

SelgasCano Architecture Office
Madrid, Spain
SelgasCano Arquitectos

El B Conference Hall and Auditorium
Cartagena, Spain
SelgasCano Arquitectos

Novartis Entrance Pavilion
Basel, Switzerland
Architect Marco Serra

UK Pavilion at World Expo 2010
Shanghai, China
Heatherwick Studio

Cellophane House
New York, New York, USA
KieranTimberlake Architects

Anansi Playground Building
Utrecht, The Netherlands
Mulder vandenBerk Architects

Miroiterie Retail Building
Lausanne, Switzerland
B&H Architecture

International Committee of the Red Cross Logistics Complex
Geneva, Switzerland
Grisoli

Plastic House
Solihull, England, UK
Uhl Architects

MOOM Tensegrity Membrane Structure
Osaka, Japan
Kazuhisa Kajima Laboratory / Tokyo University of Science



Masonry

Secondary School
Davao, Davao Region, Philippines
Dobledo Francis Rará

Brandhorst Museum
Munich, Germany
Sauerbruch Hutton

Padre Pio Pilgrimage Church
Foggia, Italy
Renzo Piano Building Workshop

South Asian Human Rights Documentation Centre
New Delhi, India
Anagram Architects

NUWOG Headquarters and Housing
Neu-Ulm, Germany
Fink + Jocher

Pope John Paul II Hall
Rijeka, Croatia
Randić-Turistić Architects

Chapel of St. Lawrence
Venice, Poland
Awasthi Architects

Warehouse 8B Conversion
Madrid, Spain
Arturo Franco Architecture Studio

Butaro Doctor's Housing
Butaro District, Rwanda
Mass Design Group

Silk Wall + J-Office
Shanghai, China
Arch+Union Architects

Center for Design Research
Lawrence, Kansas, USA
Studio BSA / University of Kansas

La Pallissa
Catalonia, Spain
Cubus

Dan Rockhill, Studio 804 and Rockhill+Associates:
The breadth of projects is amazing, and the clarity with which they are presented is perfect. What I like most is the conviction with which the design quality has been maintained with an equal nod to the technical aspects that bring great design to fruition. It is rare that I am so taken by a publication that I jump from my chair!

Choice magazine:
This volume is effectively a survey of projects focusing on various material types as being prevalent in the final design solution. The projects selected are recent, come from around the world, and present the most up-to-date use of the specific materials chosen.

ArchiDose Blogspot:
The focus is on educating students. The projects vary greatly in terms of geography, appearance, and how they creatively use their respective materials. The main consistency is a scale, as the buildings range from a one-room pavilion in Basel to a seven-story office building in Copenhagen. This points to the fact that small buildings offer room for experimentation with materials, since their scale does not require as great an investment as, say, a skyscraper, stadium or airport.