The building enclosure is always integrating new materials into its assemblies. Whether it be different variations of glass, other materials that provide opacity, or the layering of materials to create a brise soleil or a rain-screen, each material solution possesses a unique set of considerations for integration into a unified building envelope system. In this brief section, an array of material strategies are presented that permitted the architectural design intent to be achieved while meeting performance requirements. To discover more about the use of these materials in the project applications covered, please visit the respective project page.

In this section we display a brief glance at eight material applications on recently completed, or soon to be completed projects around the country. The materials covered include:

- Cast Aluminum
- Milled Aluminum
- Extruded Steel
- Stainless Steel
- Fiber-Reinforced Polymers (FRP)
- Ultra High-Performance Concrete (UHPC)
- Terracotta Rain-screen
- Channel Glass
CAST ALUMINUM
Architects: Freelon Adjaye Bond, Smith Group
Facade Consultant: Heritages & Associates
Material Source: ELEMENT

MILLED ALUMINUM
Project: Louis Vuitton Fashion Island
Newport Beach, CA
Architect: Robinson Hill Architecture, Inc.
Material Source: Neil Feay Company

EXTRUDED STEEL
Project: Columbia University: Jerome L. Greene Science Center
New York, NY
Architect: Renzo Piano Building Workshop
Facade Consultant: Israel Berger & Associates
Material Source: Siderval SpA

STAINLESS STEEL
Project: 270 Bryant Street: Atrium Canopy
San Francisco, CA
Architect: Plau Long Architecture
Material Source (Rods & Nodes): TriPyramid
Material Source (HSS and Pipes): TrussWorks International

FIBERGLASS REINFORCED POLYMER (FRP)
Project: San Francisco Museum of Modern Art
Architect: Snøhetta
Facade Consultant: ARUP
Material Source: Kreydin & Associates

ULTRA HIGH PERFORMANCE CONCRETE (UHPC)
Project: Helen L. and Martin S. Kimmel Pavilion at New York University Langone Medical Center
Architect: Ennead Architects
Facade Consultant: Heritages & Associates

TERRACOTTA
Project: CUNY LaGuardia Community College: Center 3 Building
Facade Retrofit, Long Island City, NY
Architect: Mitchell | Giurgola Architects
Facade Consultant: Heritages & Associates
Material Source: Shildan

CHANNEL GLASS
Project: South Street Seaport: Pier 17, New York, NY
Architect: SHoP Architects
Material Source: Bendheim Architectural Glass
Glasfabrik Lamberts GmbH & Co. KG