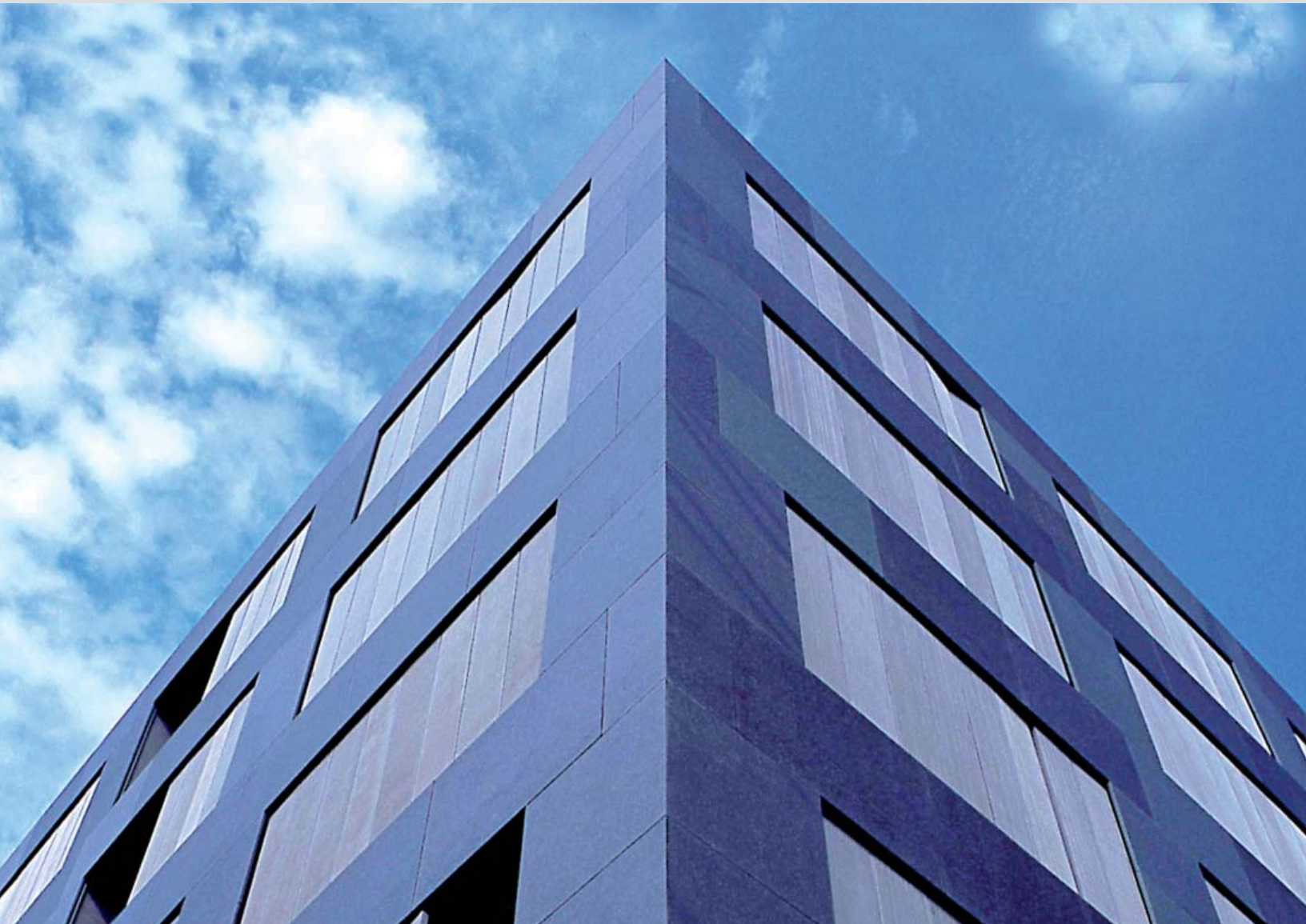




Elisse Shutter Systems



IntelligentEnvelopes™

Introduction

Mestek has a strategic alliance and exclusive license agreement with Colt Group USA. Mestek is the exclusive licensee to produce and market the Colt designed products for the US market and all products are produced in the USA.

Additionally, Mestek's Architectural activities include Linel and AWW. The emphasis for these companies is in providing products and solutions that beautify and improve the performance of buildings through Intelligent Envelopes™.



Ellisse is a range of louvered controllable shutter systems. The shutters are either hinged to fold open or closed over windows, or unhinged to slide across windows. The shutter systems offer architects and building owners a versatile and practical solution to managing solar radiation, aiding in providing some measure of privacy and security, while adding a modern architectural aesthetic.

Since the appearance of any façade is determined by the choice and position of materials, there is an opportunity to use Ellisse creatively to enhance the architectural impact of a building.

SHUTTER SYSTEMS

The shutter systems can:

- Slide across the windows
- Be hinged to fold open or closed over the windows. The shutters can be hinged to fold either vertically or horizontally.
- Be fixed or fully operable, either manually or automatically



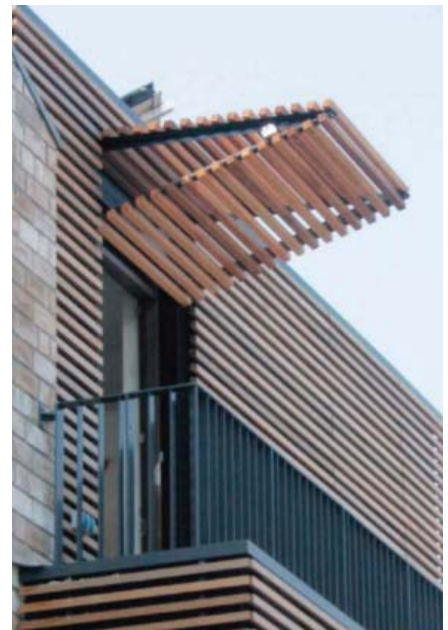
When operable shutters are chosen, they pivot or slide through a system of bushings and rollers. The system requires little maintenance and is designed to compensate for thermal expansion. The operable shutters can be moved either manually or automatically by an electric actuator within a sliding rail. In the latter case, they can be integrated with a Colt sun tracking control system.

The louvered slats in the shutters can also be fixed and mounted at a specified angle or be manually operable. In the latter case, the slats can be rotated manually a maximum 85 degrees by hand.

BENEFITS

The Ellisse shutter systems provide:

- Natural daylighting when open
- Solar shading when closed to reduce the cooling loads
- Glare control when closed
- A degree of privacy and security when closed
- Natural ventilation when either open or closed



COLT'S OFFERING

A wide range of shutter types are available, depending on the building's functional needs and the aesthetic requirements.

- Aluminum shutters are manufactured from extruded, corrosion-resistant aluminum with a wide range of louver slat sizes and shapes.
- Wooden shutters are manufactured generally from Western red cedar (other types of timbers are available) with either elliptical or oblong louver slats.
- Glass shutters are available in a vast number of styles, colors and frits, with the potential to incorporate photovoltaic (PV) electricity generating cells.
- Perforated fabricated metal shutters, with custom punch patterns are also available.
- A wide variety of finishes are available including mill, anodized and painted in aluminum, fritted or coated in glass. Colt is a licensed applicator for Akzo Nobel, PPG, Valspar and Sherwin-Williams to meet AAMA painting (2603, 2604 & 2605) specifications.
- All designs are completed using 3-D modeling engineering software fully integrating with CNC-controlled production equipment.
- Colt can provide certified structural calculations when requested to ensure structural integrity.
- All Colt Ellisse shutter systems are custom designed for your application and can be provided in various configurations, materials, finishes and coatings to meet each project's requirements.

COLT'S TRACK RECORD AND CAPABILITIES

Colt has more than 30 years of unsurpassed experience in the design and supply of controllable glass, metal and timber shading systems. Colt continues to build on this experience and has been providing shading systems for the US market since 2006.

We offer an extraordinary range of shutter systems from fixed to fully operable with a variety of materials and finishes.

Colt is dedicated to innovation and has comprehensive design capabilities. While this brochure provides a general overview of our capabilities, we welcome the opportunity to develop solutions to satisfy your unique requirements.

NEW OR RENOVATION

Colt not only provides systems for new construction, but also provides systems for new window treatment of existing buildings. A new Ellisse shutter system can update the appearance and performance of many existing buildings.

MATERIAL ONLY OR TURNKEY INSTALLATIONS

Every Colt shutter system project is assigned a project manager who coordinates activities with the architect, general contractor and installer, as well as internally with engineering and manufacturing. Colt can provide the shutter system as a material only contract, or installed as a turnkey solution.

It is important to remember that there are other shutter system offerings to choose from, but the outcome largely depends on rigorous engineering, state-of-the-art manufacturing, attention to detail, experience and close coordination with everyone involved in the project. For the most demanding and complex shutter systems, you can depend on Colt's experience and expertise.



Elisse Shutter Systems





Horizontally Folding Shutters





Vertically Folding Shutters





Sliding Shutters







MESTEK

ARCHITECTURAL

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