

Kingspan Facades
UK & Ireland

Dri-Design Architectural Facade Systems



About Us

At Kingspan Facades our mission is to design, develop and offer innovative, sustainable and durable architectural facade solutions to meet the demand of architects and construction professionals across a wide range of industries.

We are part of Kingspan Group
What defines us is our relentless pursuit for better building performance whilst being Planet Passionate about everything we do. We are committed to accelerating a net zero emissions future with the wellbeing of people and planet at its heart.

From Local Irish Roots to Global Leader
The Kingspan Group has come a long way since its founding in 1965 in Kingscourt, Co Cavan, Ireland. We have grown largely by acquisition and globalisation remains at the heart of our ongoing evolution. While we retain our heritage and culture as a family business, we've grown



to be the global leader in high-performance insulation and building envelopes. We help our customers and employees to make a difference in tackling climate change.

Kingspan Group in numbers:

159	+15,000
manufacturing facilities	employees globally
+70	5
countries	business streams

IKON is our new global innovation centre located in Ireland. IKON has been built to the highest standards of sustainable design and is a showcase for Kingspan products and systems. Containing state-of-the-art laboratory and research facilities, it is crowned by the Future Space meeting and events area which features cutting-edge technology and stunning views of the surrounding countryside.



Planet Passionate Program – Our Mission for the Planet

Climate change is one of the most important issues facing the world today. To protect our planet, we need to prevent a 1.5°C rise in global temperatures this century.

To do this, carbon emissions need to be cut to net zero globally by 2050 – but we are currently on course to miss this goal by at least five-fold.

The built environment has a key role to play in this challenge. Today, buildings and construction together account for **36%** of global final energy use and **39%** of energy-related CO₂ emissions when upstream power generation is included.

Introducing Planet Passionate – our global sustainability programme

Planet Passionate is Kingspan's ambitious 10-year global sustainability programme that aims to impact three big global issues:

- Climate change
- Circularity
- Protection of our natural world

By setting ourselves challenging targets in the areas of energy, carbon, circularity and water, we aim to make significant advances in the sustainability of both our business operations and our product.



Our 2030 global commitments



Energy

Maintain our **net-zero** energy status.

Increase our direct use of renewable energy to **60%** by 2030.

Increase our onsite generation of renewable energy to **20%** by 2030.

Install solar PV systems on **all owned facilities** by 2030.



Carbon

Net-zero carbon manufacturing by 2030.

50% reduction in product CO₂ intensity from our primary supply partners by 2030.

Zero emission company cars by 2025.



Circularity

1 billion PET bottles upcycled into our manufacturing processes by 2025.

All QuadCore® insulation to utilise upcycled PET by 2025.

Zero company waste to landfill by 2030.



Water

5 active ocean clean-up projects by 2025.

100 million litres of rainwater harvested by 2030.

Charlotte Regional
Realtor Association

Charlotte, North Carolina, USA

Product
Dri-Design Flat

Kingspan Dri-Design
Turning Ordinary into Extraordinary

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Houston Community College

Houston, Texas, USA

Product
Dri-Design Flat
Dri-Design Shadow

Airport Square 13
Office Building
Holland, Michigan, USA

Product
Dri-Design Flat

Aluminium Cassette System – Introduction

Dri-Design is a aluminium cassette-based system dedicated for buildings with minimal as well as sophisticated facade design. The system combines quick and simple installation with durability and high technical performance. Thanks to the different cassette shapes available (Flat, Shadow, Tapered) a 3D facade can be achieved. All Dri-Design cassettes are A2-s1,d0, EN 13501-1 compliant.



Simons Distribution Center

Quebec City, Quebec, Canada

Product
Dri-Design Tapered



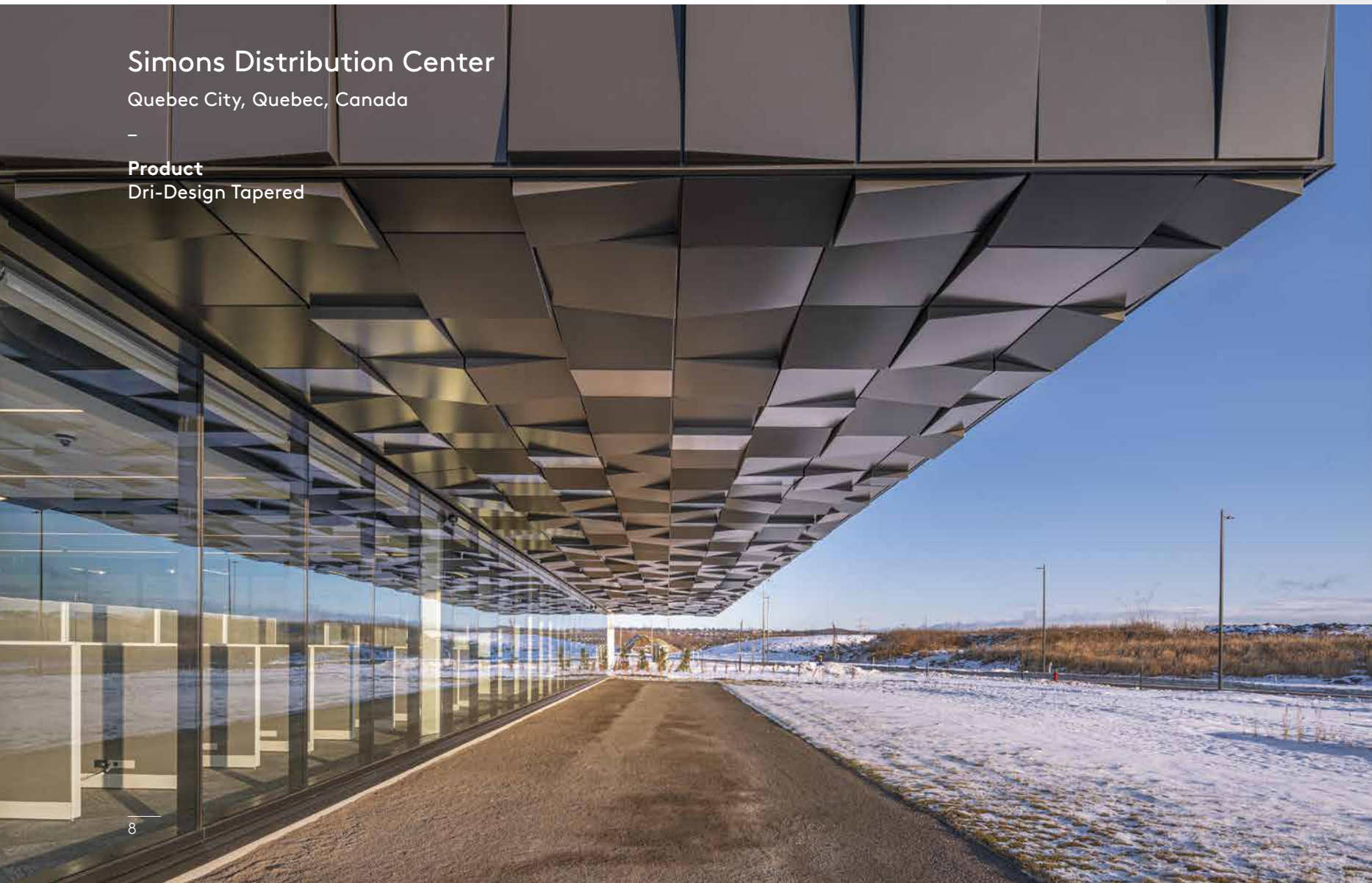
Aluminium Cassette System

– Introduction



Simons Distribution Center
Quebec City, Quebec, Canada

Product
Dri-Design Tapered



Why Dri-Design?



Dry Joints

Dri-Design negates the need for sealants, gaskets or butyl tape in the cassette joints, minimising dirty streaks and maintenance for the building owner.



Environmentally Friendly

Aluminium composite materials can't match Dri-Design for its environmental footprint. Dri-Design cassettes are 100% recyclable and can be repurposed.

Kingspan products are manufactured in facilities that have achieved BES 6001 Responsible Sourcing certification rating of 'Very Good'.



Vast Colour and Coating Range

Available in a variety of colours, structural finishes, dimensions and textures. Practially any colour is available on request depending on order quantity.



Cost Effectiveness

Dri-Design is a cost effective facade system thanks to our highly automated manufacturing process as well as quick and easy installation. Solid aluminium cassettes will maintain uniformity and excellent appearance for many years with minimum maintenance cost.



Certified and Manufacturer Guaranteed

Dri-Design is CE mark certified and has national approvals as well as manufacturer's guarantee. Thanks to the highly automated production process, excellent quality and accuracy is achieved cassette by cassette.

Dri-Design cassettes are manufactured in Kingspan facilities that operate under Environmental Management System ISO 14001 and Energy Management System ISO 50001.

Dri-Design Flat

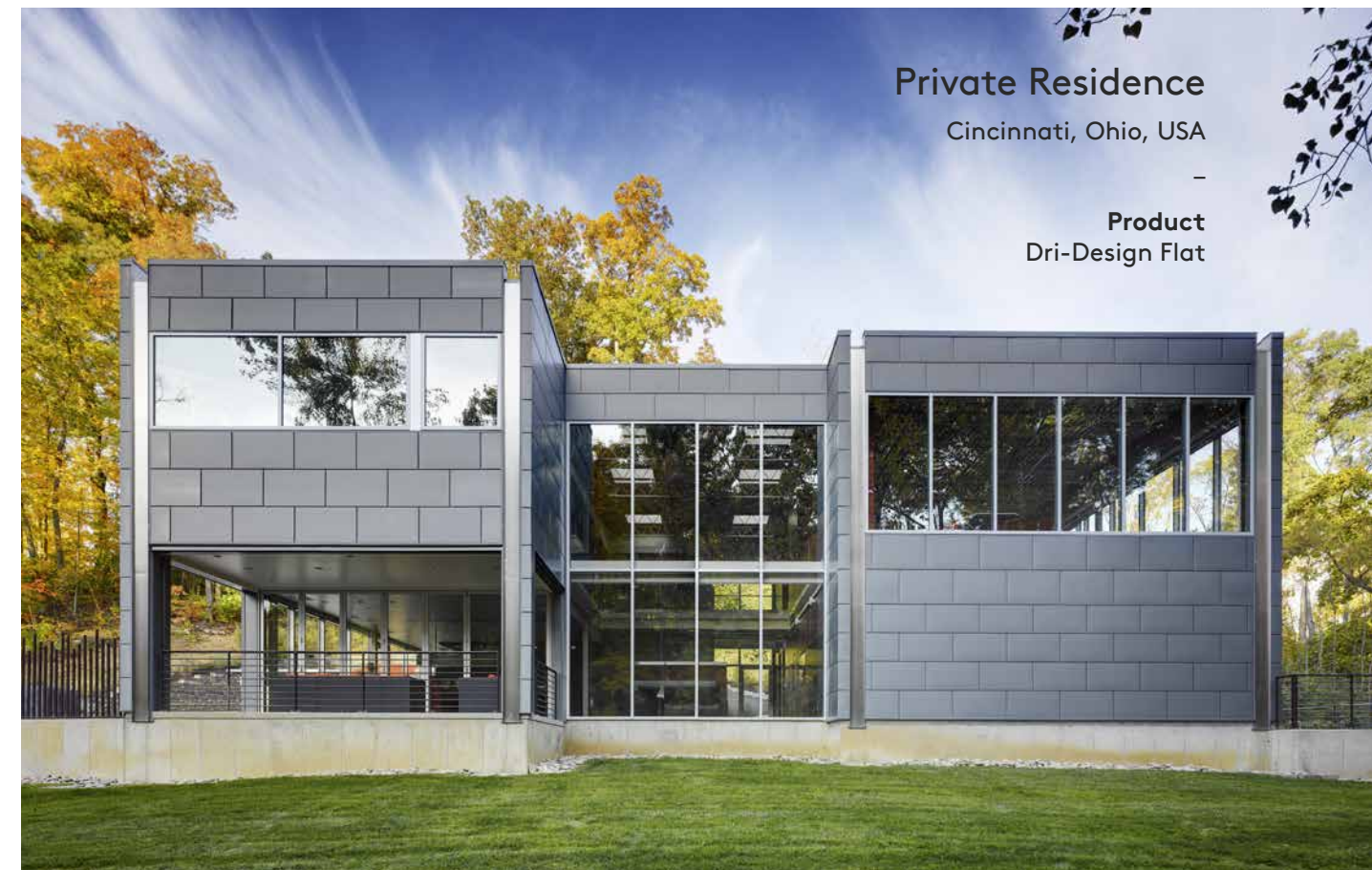
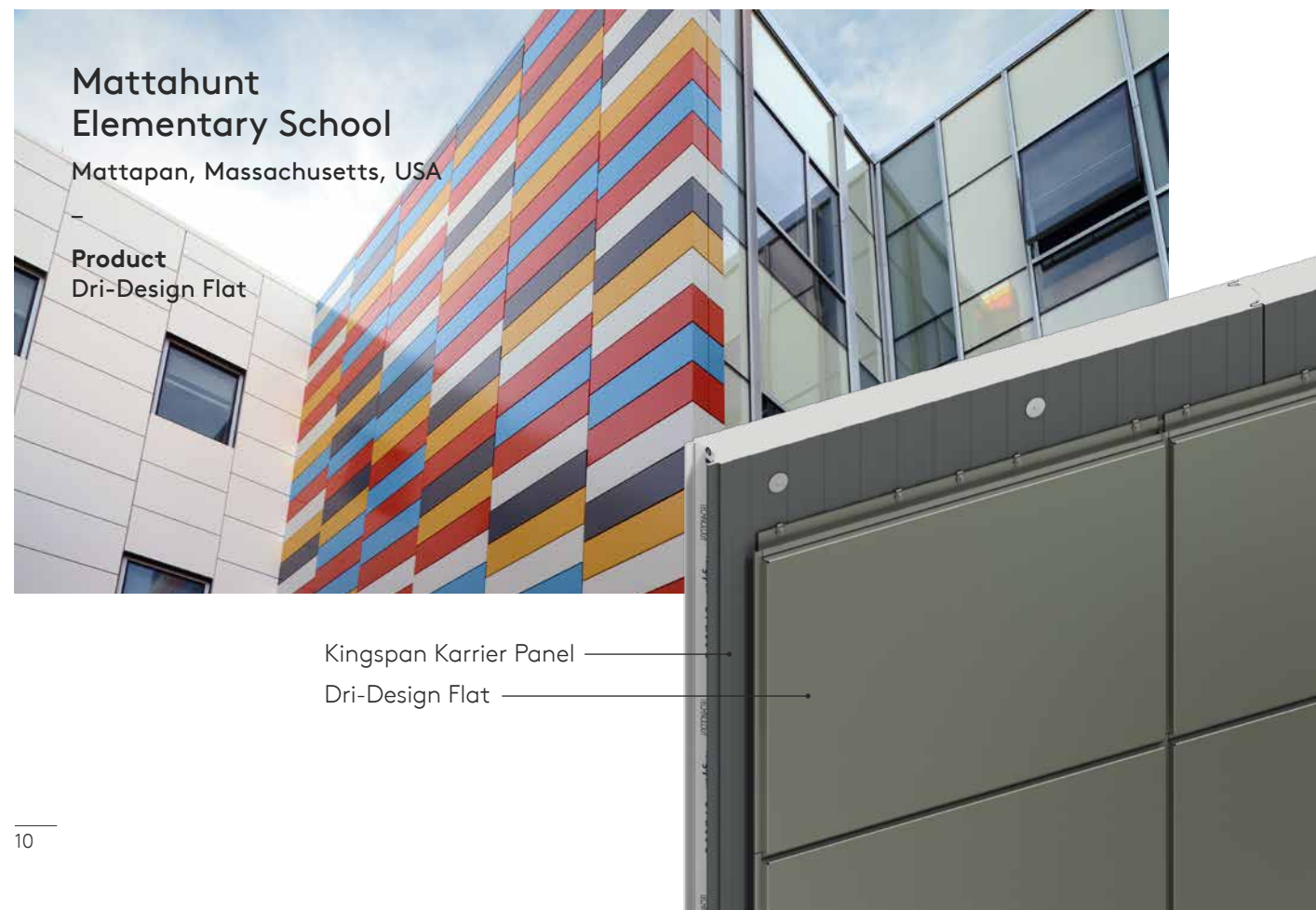
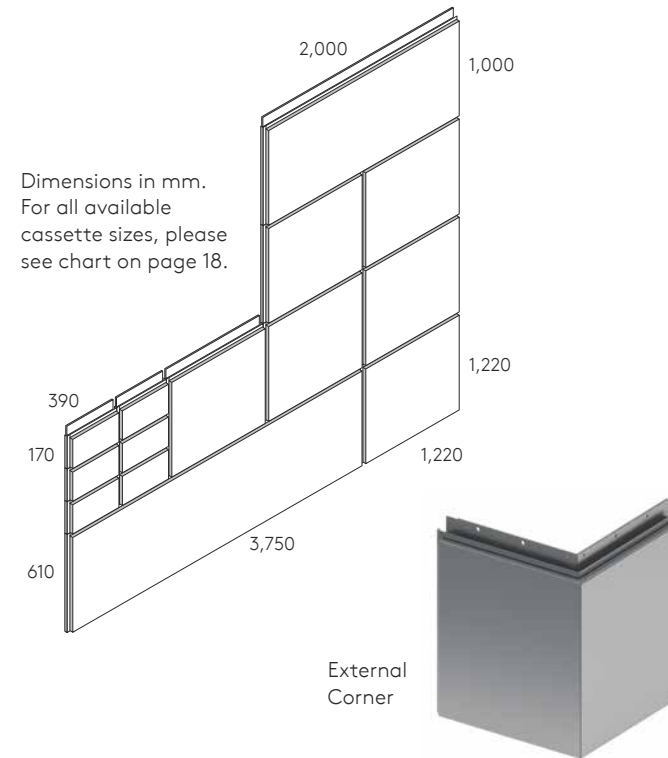
One Cassette – Endless Possibilities

Dri-Design Flat

- Dri-Design Flat can be easily interchanged with the other Dri-Design cassettes, Shadow and Tapered.
- Dri-Design Flat cassettes can be also perforated.

Corners are available for all Dri-Design cassette types

- Minimum leg in one direction 70mm.
- Maximum leg in one direction 500mm.
- Both legs combined cannot be less than 390mm.
- Both legs combined cannot exceed 1,000mm.
- Tapered / raked corners should be assessed if either leg is greater than 500mm.
- Any sizes greater than or less than those specified would need to be assessed.



Prairie Meadows Casino & Hotel

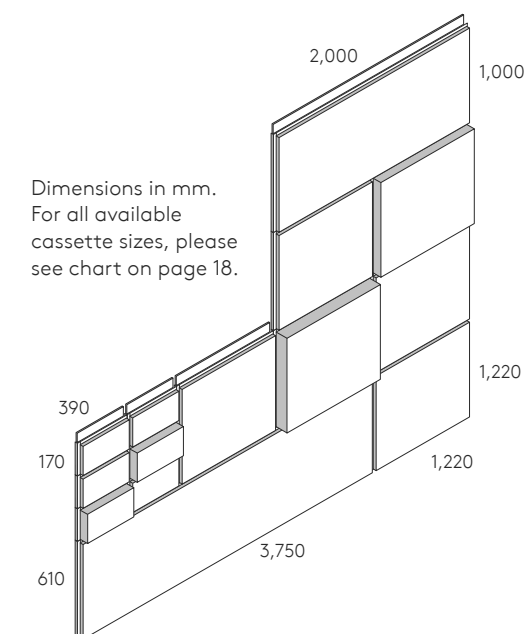
Altoona, Iowa, USA

Product
Dri-Design Shadow

Dri-Design Shadow One Cassette – Endless Possibilities

Dri-Design Shadow

- Dri-Design Shadow cassettes let you add depth and definition to any architectural design.
- Cassettes can be extended at varying depths to create texture or a dynamic variation in patterns, all while keeping the substrate and weather barrier in the same plane.
- Dri-Design Shadow cassettes can be also perforated.



Longwater Place

Norwell, Massachusetts, USA

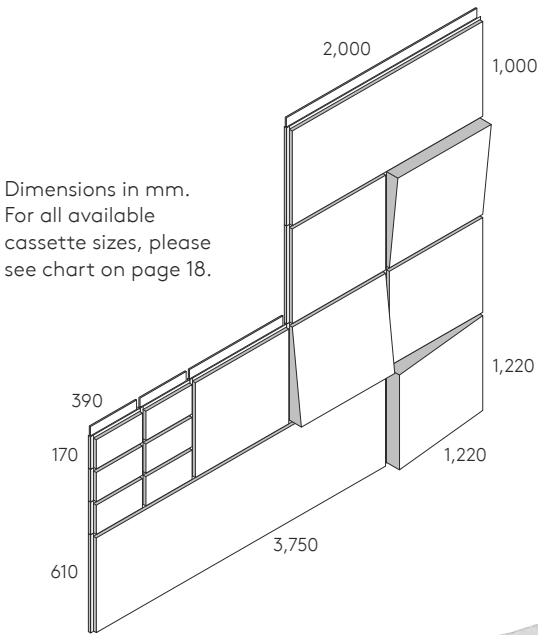
Product
Dri-Design Flat
Dri-Design Shadow

Kingspan Karrier Panel

Dri-Design Shadow

Dri-Design Tapered

One Cassette – Endless Possibilities



Dri-Design Tapered

- Dri-Design Tapered cassettes can be angled from one side to the opposite side per cassette with varying depths and degree of slope.
- Freedom to design each specific cassette gives you an unlimited capacity to create a dynamic, one-of-a-kind surface on nearly any facade, without the need to modify the substrate or weather barrier.
- Dri-Design Tapered cassettes can also be perforated.

Kingspan Karrier Panel

Dri-Design Tapered

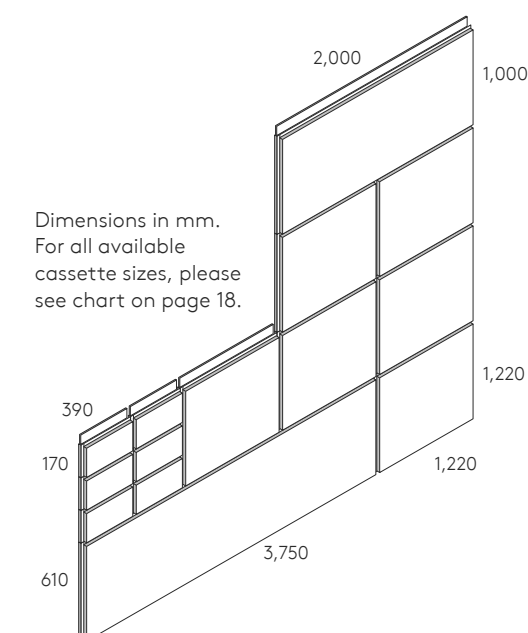
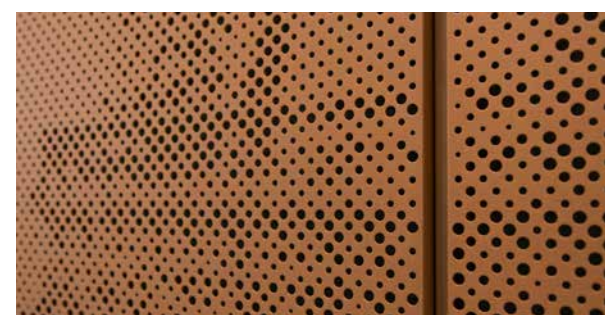
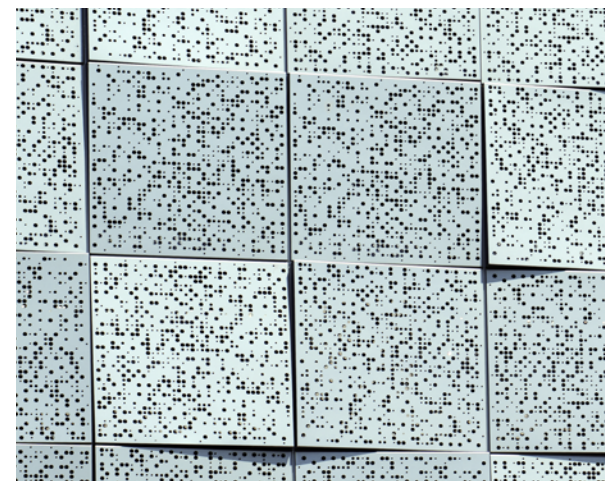
Tishomingo Health Clinic
Tishomingo, Oklahoma, USA
Product
Dri-Design Tapered

University of Arizona

Tucson, Arizona, USA

Product
Dri-Design Perforated

Dri-Design Perforated One Cassette – Endless Possibilities

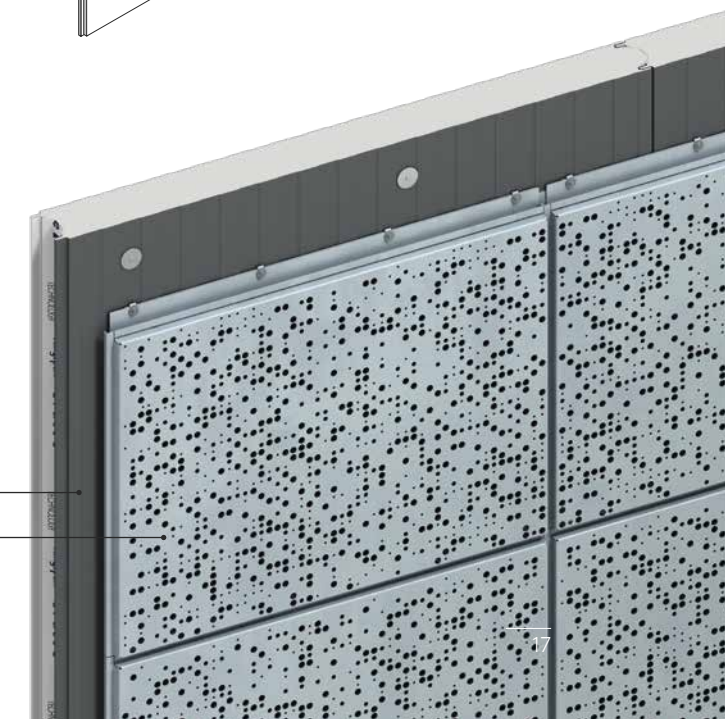


Dri-Design Perforated

- By varying the size, location and density of perforations, areas of light, dark and shades in between are created to form an image.
- Perforations also allow the cassette to provide needed airflow and/or shade to a structure.
- Perforations in cassettes are available as an extra service. Can be added to Dri-Design Flat, Tapered or Shadow cassettes.

Kingspan Karrier Panel

Dri-Design Perforated



Cassette Sizes

Cassettes Technical Specs:

Min / max face length: 390 – 3750mm.

Min / max face width: 170 – 1220mm
(face width to be determined from wind load).

Material: Aluminum 3103 H24.

Finish types: Polyester Powder Coated (PPC),
Anodised, Mill.

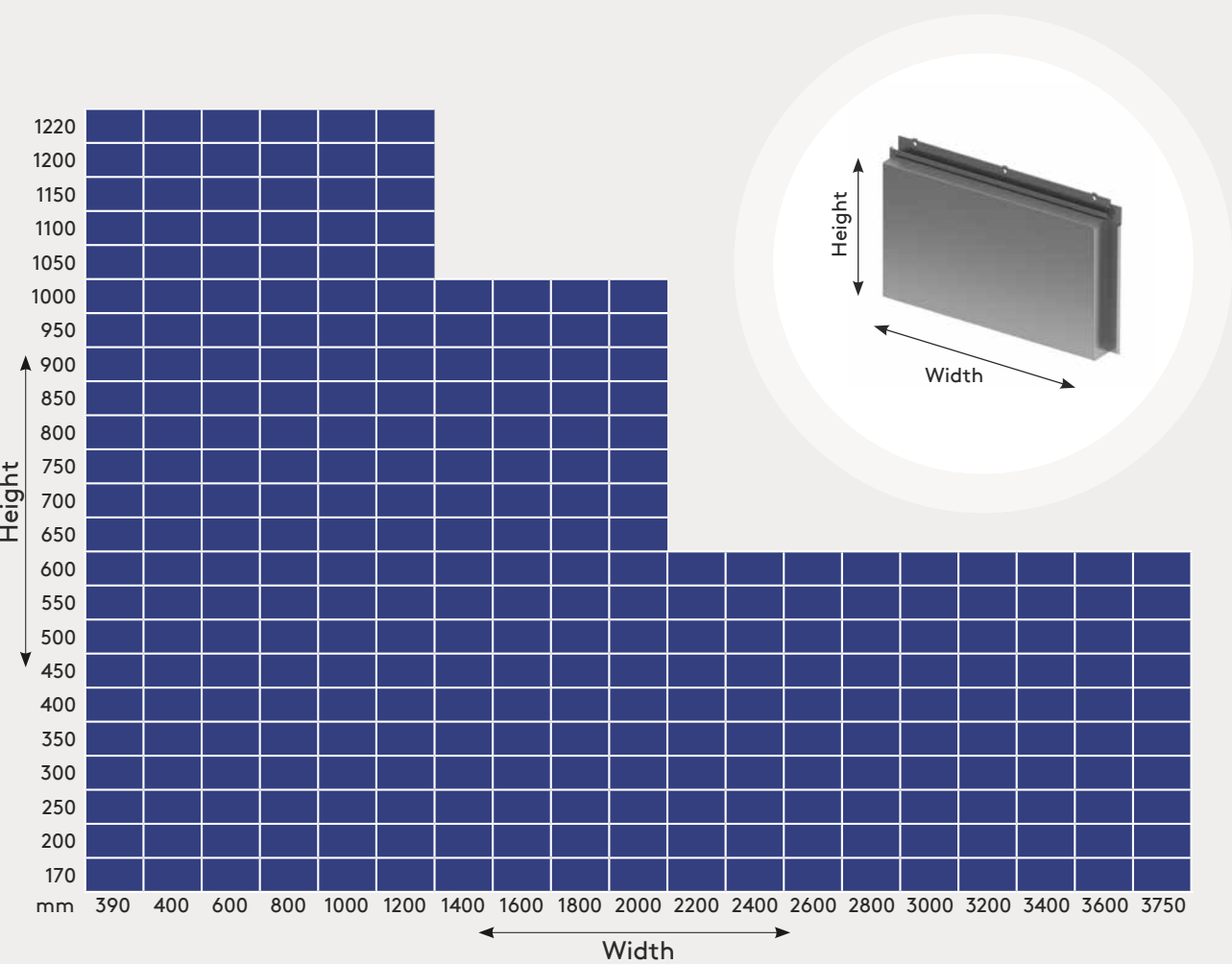
Thickness: 2mm.

Width of vertical joint: 14mm.

Width of horizontal joint: 16mm.

Depth of cassette: 32 – 100mm depending
on cassette type.

Please see the chart below for all available sizes
of Dri-Design cassettes.



At Kingspan Facades we research and test new Dri-Design cassettes sizes to expand the range of cassettes offered. For latest information about available sizes please visit [kingspan.com](https://www.kingspan.com) or contact our technical support.

Subject to change without notice.

FM Global Corporate Office

Johnston, Rhode Island, USA

Product
Dri-Design Flat

Edith Cowan University
Perth, Australia

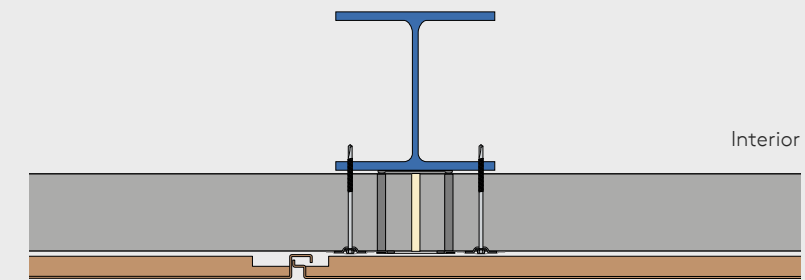
Product
Dri-Design Flat
Dri-Design Shadow

Wall Installation Options

Option One

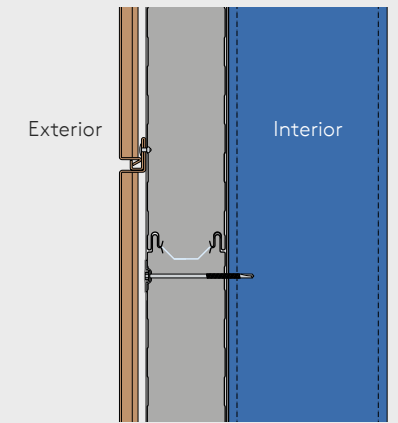
Direct Fix Facade (without extensive cavity)

(Dri-Design Cassette + QuadCore® Karrier Panel + hot rolled steel structure)



Horizontal section

Exterior



Exterior

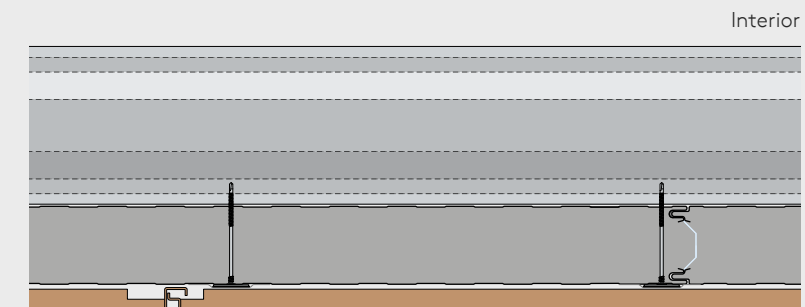
Interior

Vertical section

Option Two

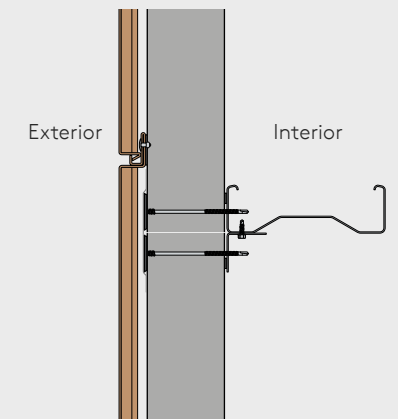
Direct Fix Facade (without extensive cavity)

(Dri-Design Cassette + QuadCore® Karrier Panel + light gauge steel cladding rail)



Horizontal section

Exterior



Exterior

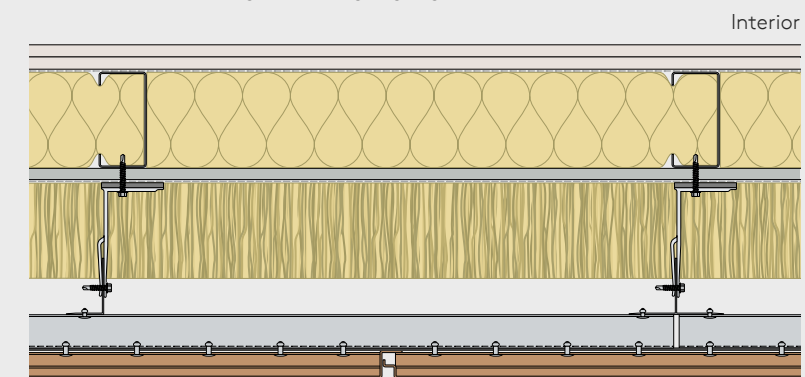
Interior

Vertical section

Option Three

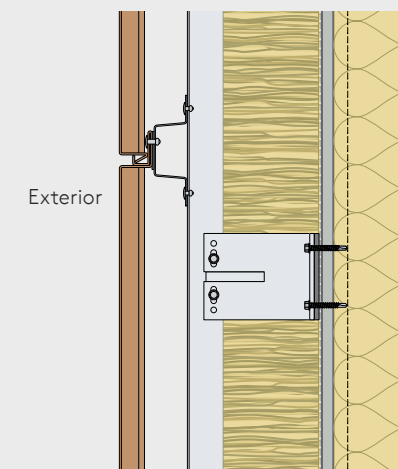
Traditional Built Up Facade (with extensive cavity)

(Dri-Design Cassette + helping hand sub-structure + insulation + breather membrane + sheathing board + light gauge steel frame system)



Horizontal section

Exterior



Exterior

Interior

Vertical section

All technical information is subject to alterations.



Quincy High School

Quincy, Massachusetts, USA

Product
Dri-Design Flat

We offer a wide range of architectural details

For more information please contact our technical team.

Colours & Coatings

Standard PPC Coatings

We offer an extensive colour and finishes range for our Dri-Design system.

Dri-Design cassettes are available in aluminium with polyester powder coating (PPC).

Our standard colours are available in a variety of gloss levels, from matt to high gloss and are all available as super-durable Class 2*.

*Class 2 powders are being recognized by a growing number of specifiers and used on prestigious projects. Class 2 powders offer a superior resistance to UV and are formulated with different compounds. More expensive, these powders can offer extended life expectancy with reduced maintenance.

Examples of Standard PPC Coatings



Examples of Structural Coatings



Structural Coatings

Painted or anodised aluminium.

Powder coating on aluminium can replicate the appearance of other, more expensive materials like copper, zinc or corten steel giving texture and tone as well as colour.

Anodizing of aluminium takes the natural oxidation process and helps it along by adding electricity and chemicals to produce a dense surface that is integral with the aluminium.

All associated system accessories can be finished in the same range to compliment the facade.

QUALICOAT is a global quality label organisation committed to maintaining the quality of lacquering, painting and coating on aluminium and its alloys for architectural applications. Its registered office is situated in Zurich, Switzerland. QUALICOAT is the world's leading quality label for the coating of aluminium.

QUALICOAT has established Specifications defining minimum requirements for plant

and equipment, coating materials and finished products. All requirements in the Specifications must be met before a quality label can be granted.

These specifications are designed to ensure high-quality of coated products for use in architectural applications.



To download our Metallic Facades Colours and Coatings book or to order swatch samples please visit www.kingspanfacades.co.uk



Licence No. 1013

Hilton Canopy Hotel Tempe, Arizona, USA

Product
Dri-Design Flat

System Benefits

Architect/Designer

- Beautifully simple one-piece engineering.
- Unique 3D cassette system on the market.
- Nearly endless design possibilities.
- Virtually unlimited range of colours, finishes, textures and custom perforations.
- Flashings and fabrications are available, manufactured and coated within the same facility ensuring your building's accessories are fully integrated into your design.
- Offering a range of insulating backing structures and Steel Frame Systems providing through wall systems.
- Free technical support.



Contractor / Installer

- Simplicity of modular system.
- Twice as fast installation time compared to other facade systems available which leads to significant savings in time and/or costs.
- No dirty or wet work required.
- Installation in virtually all weather conditions when assembled with Kingspan Karrier Panels.



Investor / Developer

- Functionality, low maintenance cost for minimal cleaning.
- Dri-Design can elevate the beauty of the building to a much higher level hence a higher selling price is possible.
- Manufacturer's guarantee.
- 100% recyclable and reusable.





Kimpton Hotel
Charlotte, North Carolina, USA

Product
Dri-Design Flat

The Benefits of Dri-Design + QuadCore® Karrier Panel vs Traditional Ventilated Rainscreen

up to 2.0 times

shorter installation time
with measurable savings
in overall project cost.



zero

sealants, gaskets or butyl
tape in cassette joints,
means no dirty streaks and
maintenance cost reduced
to the absolute minimum.



up to 2.0 times

less truck deliveries to site.



up to 0.25m

thinner wall structure
leading to savings in overall
footprint and associated
development costs.

28kg

saving in weight per 1m² for
easier and safer handling.

100%

recyclable and can be
reused.

up to 2.5 times

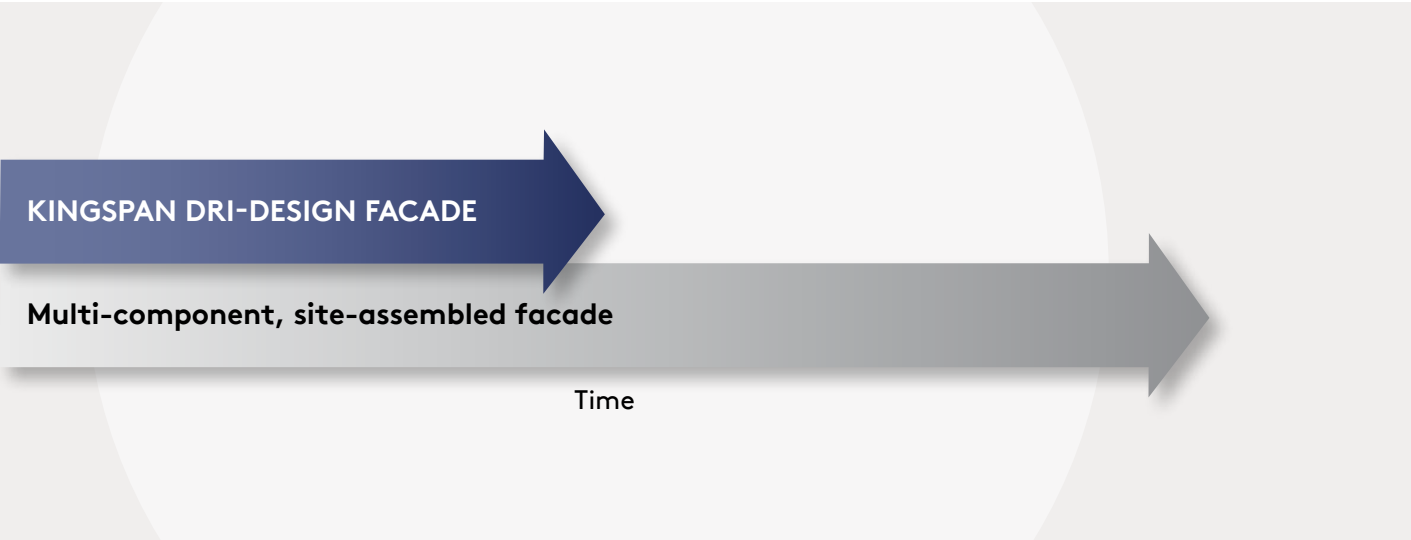
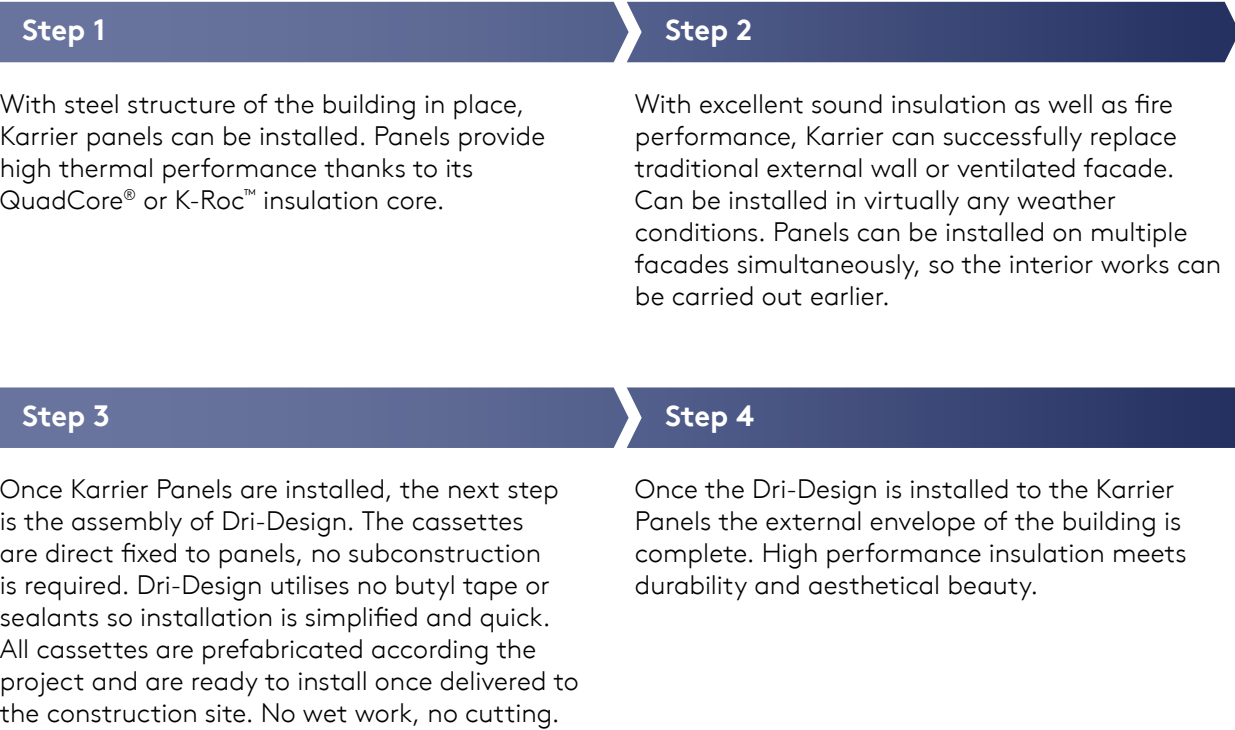
lighter facade with savings
in structure and foundation.

Dri-Design installs up to twice as fast as comparable systems with minimum components. When installed to Kingspan QuadCore® Karrier panel leads to more lifetime energy savings plus a thinner and lighter facade solution with multiple benefits in terms of efficiency and sustainability.

*These are estimates comparing a traditional ventilated rainscreen with a 100 mm QuadCore® Karrier panel and Dri-Design cassette. Contact Technical Services for project specific calculations.

SuperFast Installation

Dri-Design cassettes combine SuperFast installation and durability. When installed directly to the Kingspan Karrier Panels, this two component facade provides excellent thermal performance as well as speed and this simplicity of installation. At least twice as fast compared to multicomponent ventilated facade systems.



Next Generation of Architectural Design

Lasting Quality and Beauty
The secret of Dri-Design’s success is the interlocking system used to fasten the panels to the structure. It is a patented system that also functions as a superior solution of water management.
Thanks to this unique technology, the panels perform flawlessly in the long term. There is no delaminating, streaking or staining associated with silicone sealants, gaskets and laminated competitor products.



Robotised Production Process
Kingspan utilises the latest automation technologies to streamline the manufacturing process and maintain highest quality and precision in every single cassette.



Superior Sustainability
Dri-Design panels are made out of solid aluminum. The cassettes are 100% recyclable and 100% reusable. They can be removed from the building, repainted and reinstalled.



Williston Basin Airport

Williston, North Dakota, USA

Product

Dri-Design Flat

Dri-Design Shadow



Technical Support

Technical Services

Kingspan Facades boasts an in-house technical service department that advises and supports designers, specifiers and installation contractors in the areas of building design, product application and integration, code compliance and site-work installation practices.

At Kingspan Facades, we provide our customers with extensive building envelope performance expertise and experience to supply technical designs and cost effective construction application solutions on all projects. We can work with you to advise and recommend wall solutions for your project, from the design concept stage through the installation.

We provide a fast, project specific, tender bid and specification service in partnership with recommended installers and contractors.

All Kingspan Facades products are fully supported by relevant testing, certification and accreditations to ensure compliance, and are guaranteed for operational performance and service life durability.

We provide training and support in order to guide our installers to deliver products that fulfill customers requirements and expectations.

Quotations

To receive a quote for your designs, including pricing and lead times, call the Kingspan Facades team.

Customer Service

Our dedicated team provides focused customer service for all commercial pre- and post-order administration, delivery scheduling, and installer support, ensuring a seamless, coordinated customer experience. To ensure high levels of satisfaction, we regularly conduct customer surveys to gather important feedback that help us keep a pulse on the marketplace.

Sales Team

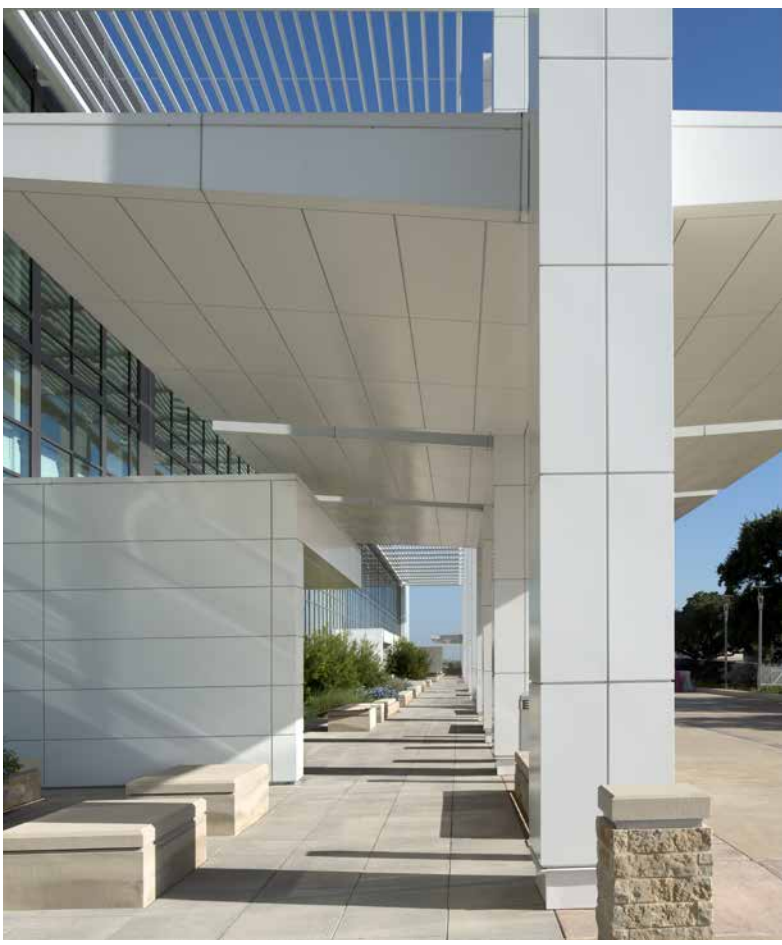
The Kingspan Facades sales team is available to provide advice, presentations and one-to-one service. Visit [kingspan.com](https://www.kingspan.com) and select Architectural Facade System product group and contact section to identify the nearest sales manager.

Marketing Support

Our marketing team aims to provide a fast turnaround on standard sample and literature requests, eliminating delays with planning and client approval of material, so that your project begins on-time. Additional marketing support is provided through the use of project case studies.



IMC Cinema
Kilkenny, Ireland
—
Product
Dri-Design Shadow



Lackland Air Force Base
San Antonio, Texas, USA
—
Product
Dri-Design Flat

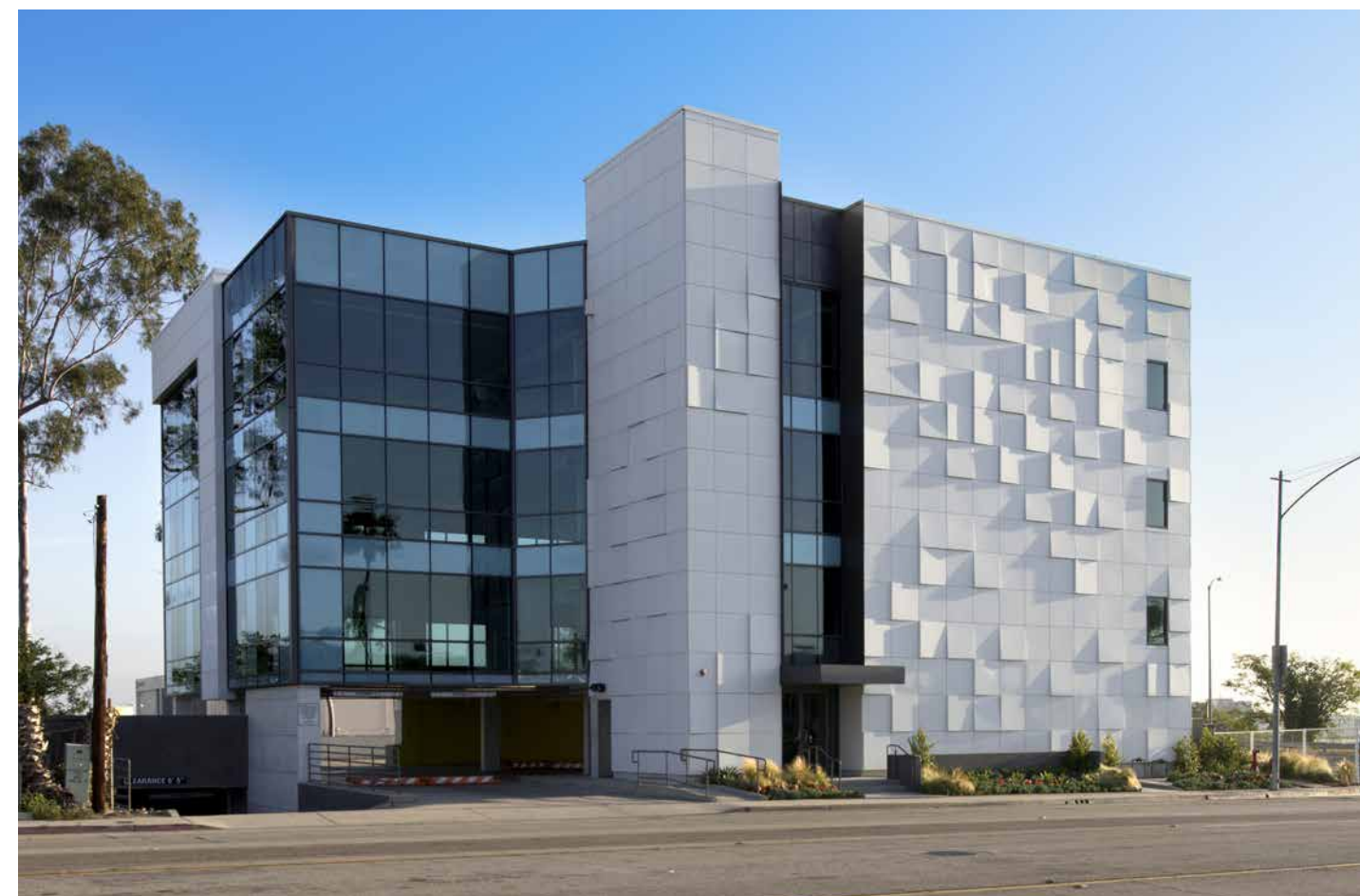


**Spring Street
Office Building**

Long Beach, California, USA

—

Product
Dri-Design Flat
Dri-Design Tapered



Edmonton Public Library

Mill Woods, Edmonton, Canada

Product

Dri-Design Flat
Dri-Design Tapered



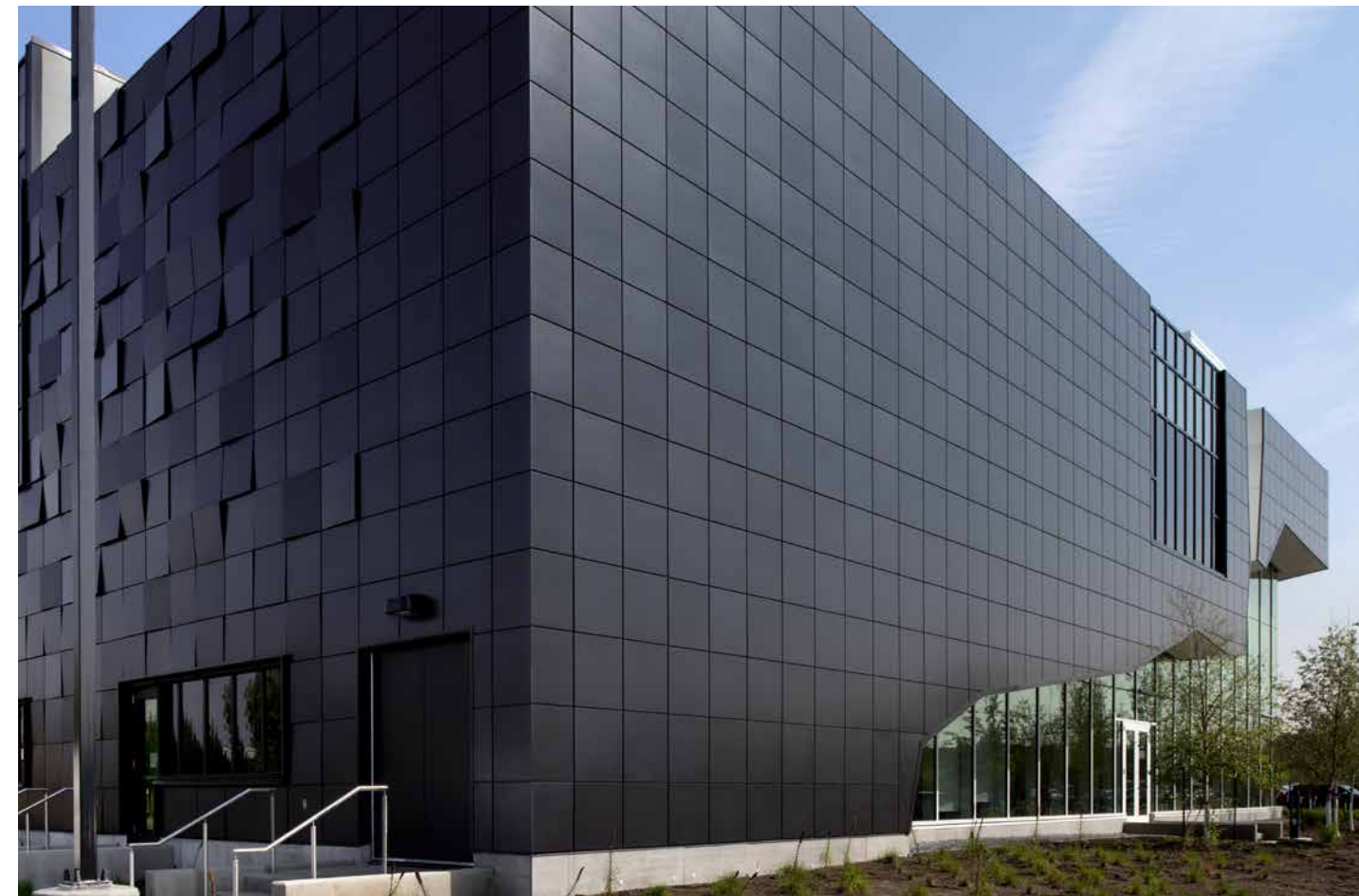
Edmonton Public Library

Mill Woods, Edmonton, Canada

Product

Dri-Design Flat

Dri-Design Tapered

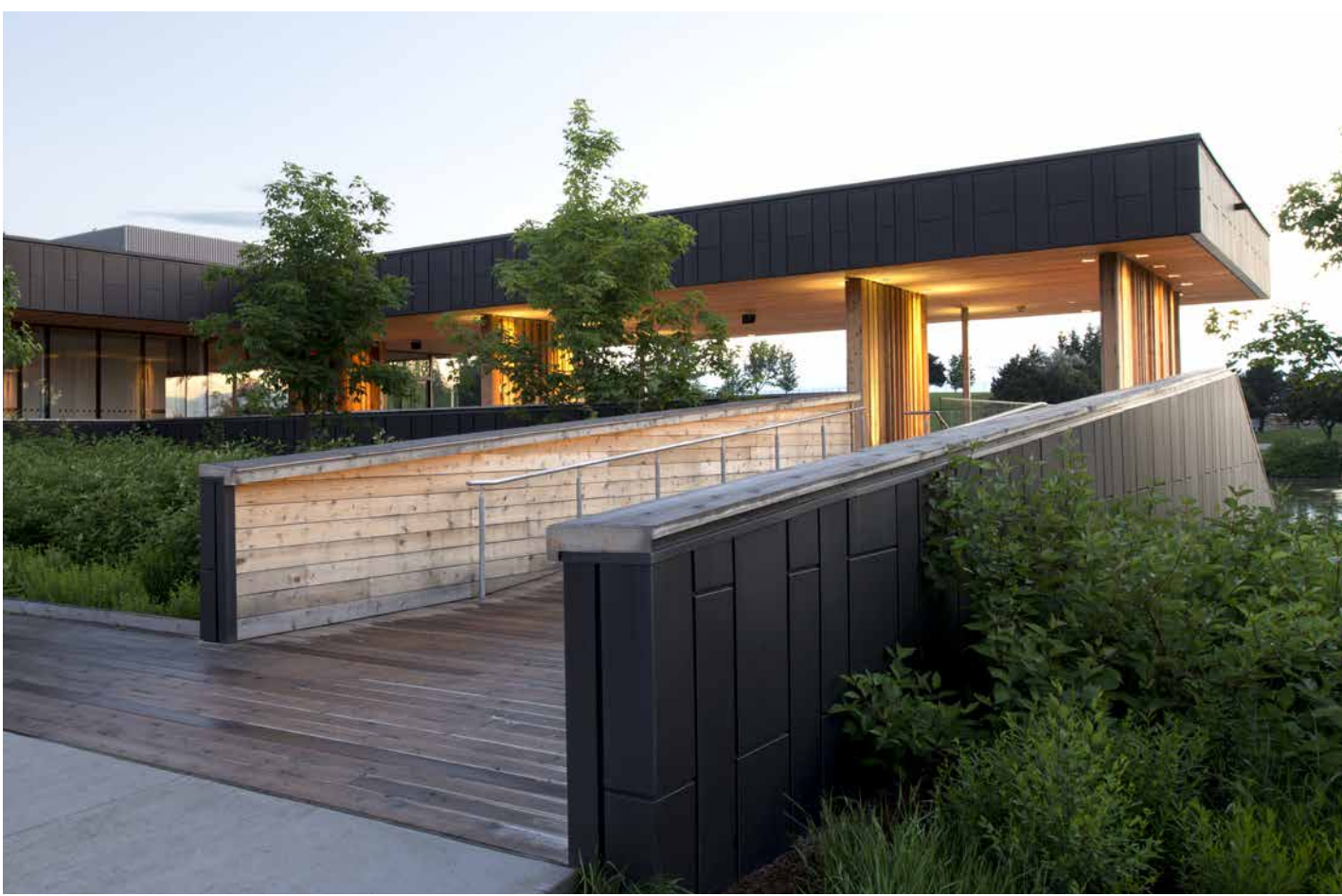




Chinguacousy Ski Chalet
Brampton, Ontario, Canada
—
Product
Dri-Design Flat



Chicago Theological Seminary
Chicago, Illinois, USA
—
Product
Dri-Design Flat



ZalaZone Test Track

Zalaegerszeg, Hungary

—

Product

Dri-Design Flat





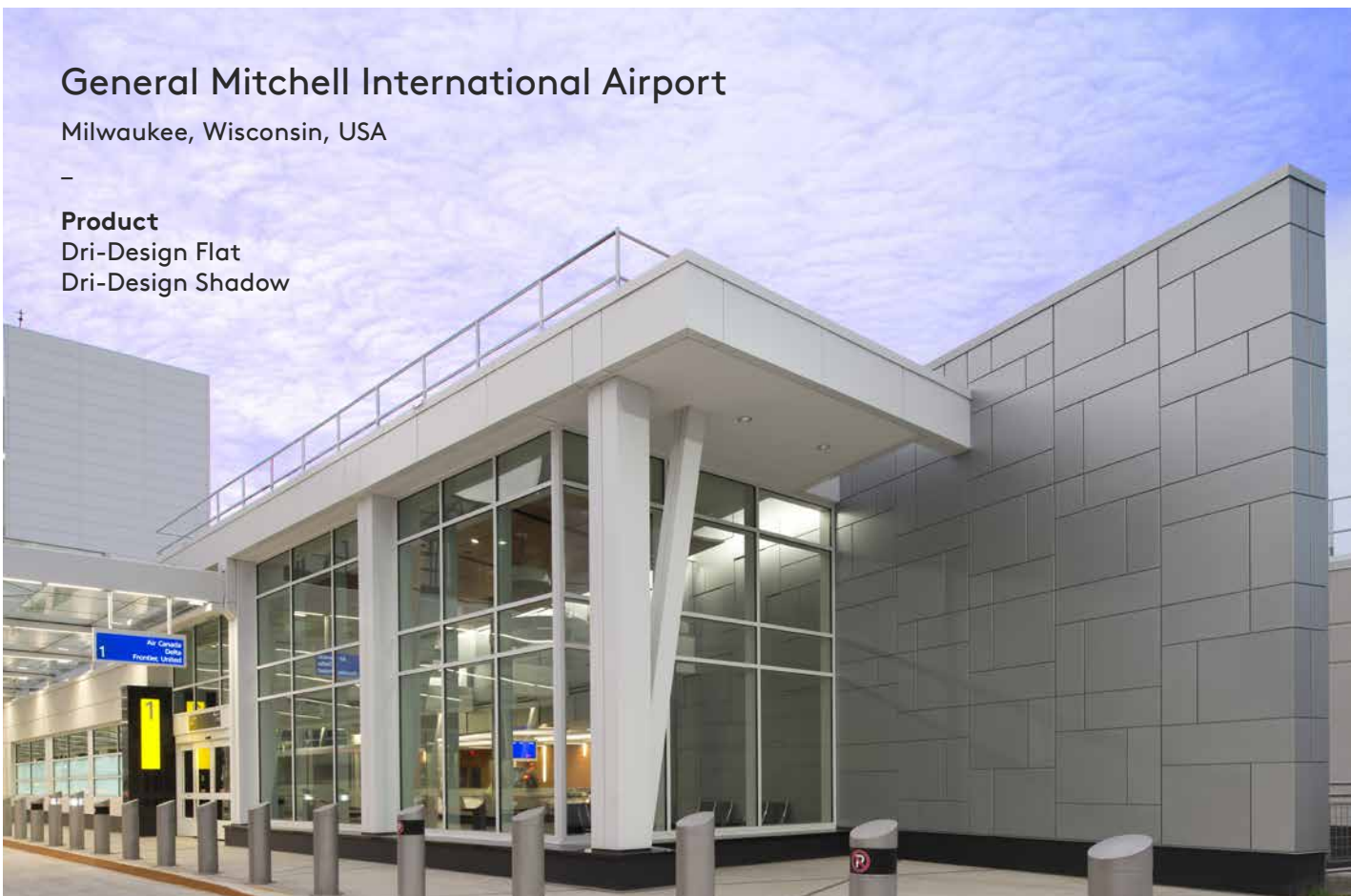
Nordstrom – Eaton Center
Toronto, Canada

Product
Dri-Design Flat
Dri-Design Shadow



NORDSTROM

NORDSTROM



General Mitchell International Airport

Milwaukee, Wisconsin, USA

Product
Dri-Design Flat
Dri-Design Shadow



Adobe Systems Utah Campus

Lehi, Utah, USA

—
Product
Dri-Design



Columbia St. Mary's Hospital

Milwaukee, Wisconsin, USA

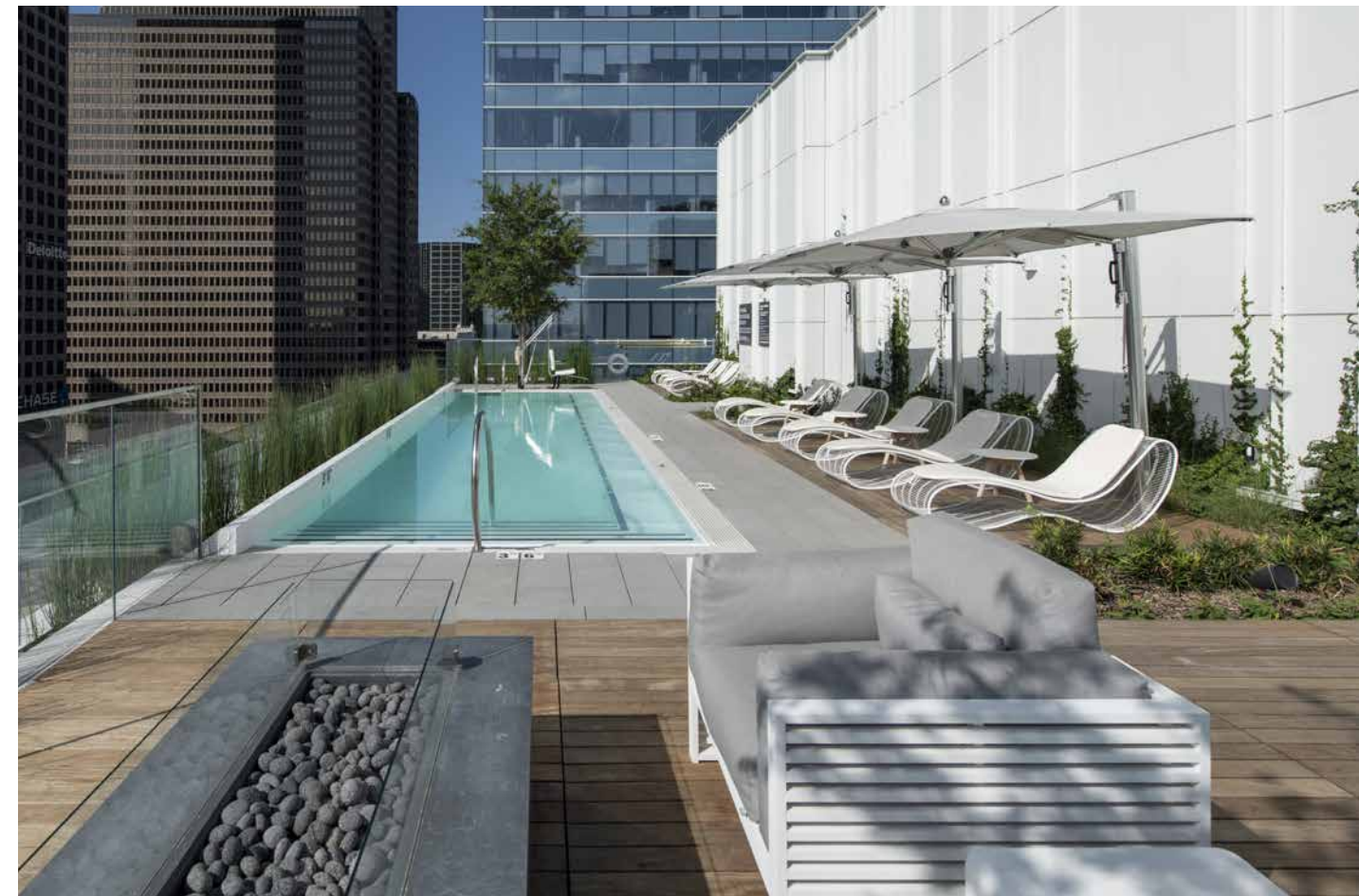
Product
Dri-Design Flat



Hall Arts Hotel

Dallas, Texas, USA

Product
Dri-Design Flat



Residential Building

Fire Island, New York, USA

Product
Dri-Design Flat



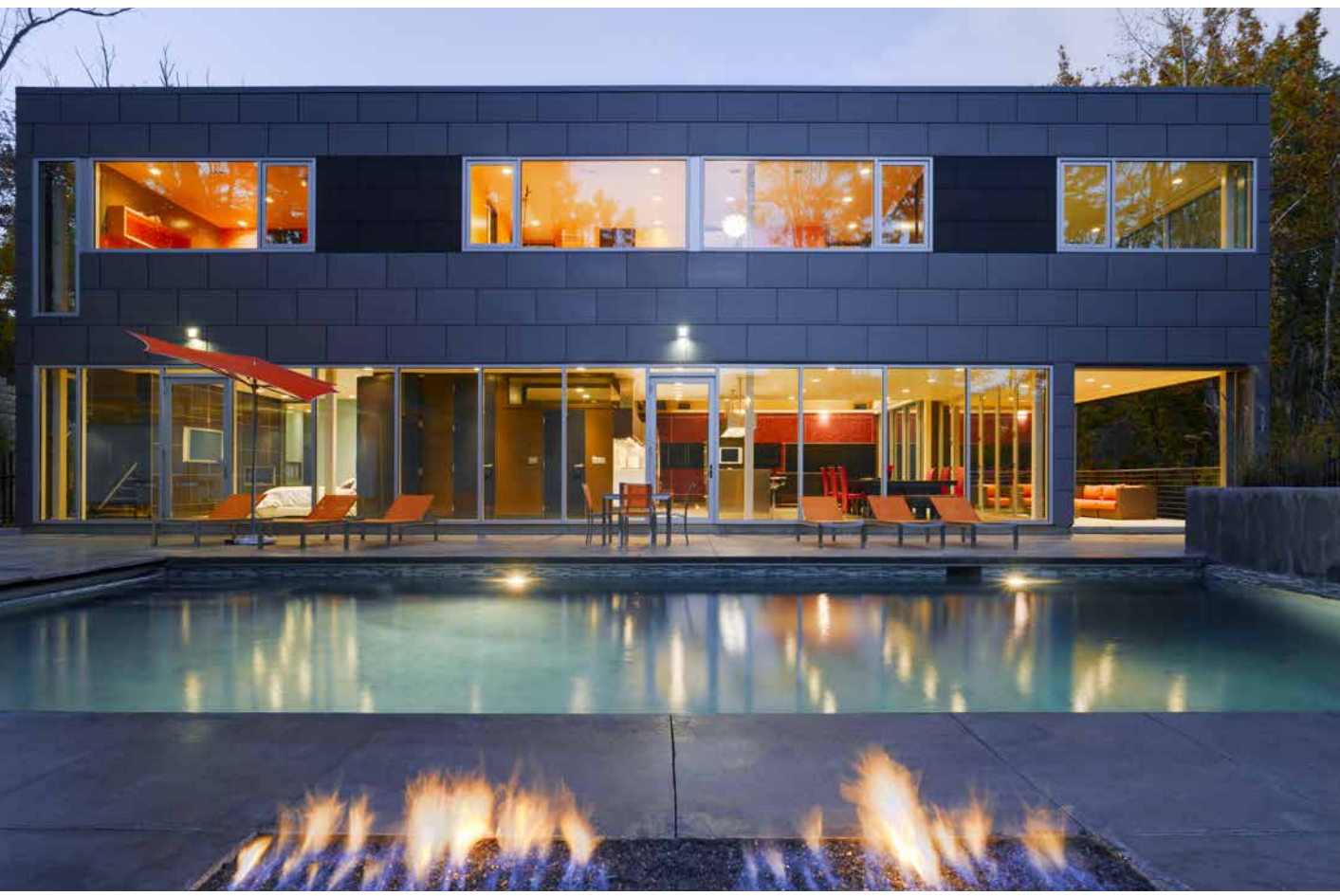
East Side Human Service

Denver, Colorado, USA

Product
Dri-Design Flat



Residential
Building
Cincinnati, Ohio, USA
—
Product
Dri-Design Flat



HealthPartners,
Neuroscience Center

St. Paul, Minnesota, USA

Product
Dri-Design Flat



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www.kingspanfacades.ie

For the product offering in other markets please contact your local sales representative or visit www.kingspanpanels.com

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