



**ROYAL  
THAI**

**AXMINSTER  
SOLUTIONS**

*Airports*



ABOUT

# Royal Thai

For the past 50 years, Royal Thai has been designing and manufacturing carpets for high-end commercial spaces across the globe. A family-oriented company founded by the Srivikorn Group, our core values stand strong: to help elevate the lives of those around us.

Today, Royal Thai is one of the world's leading producers of Axminster carpets representing every corner of the globe, with a leadership team that covers every time zone, a manufacturing team based in Thailand, and design teams across Europe, Asia and the Americas.



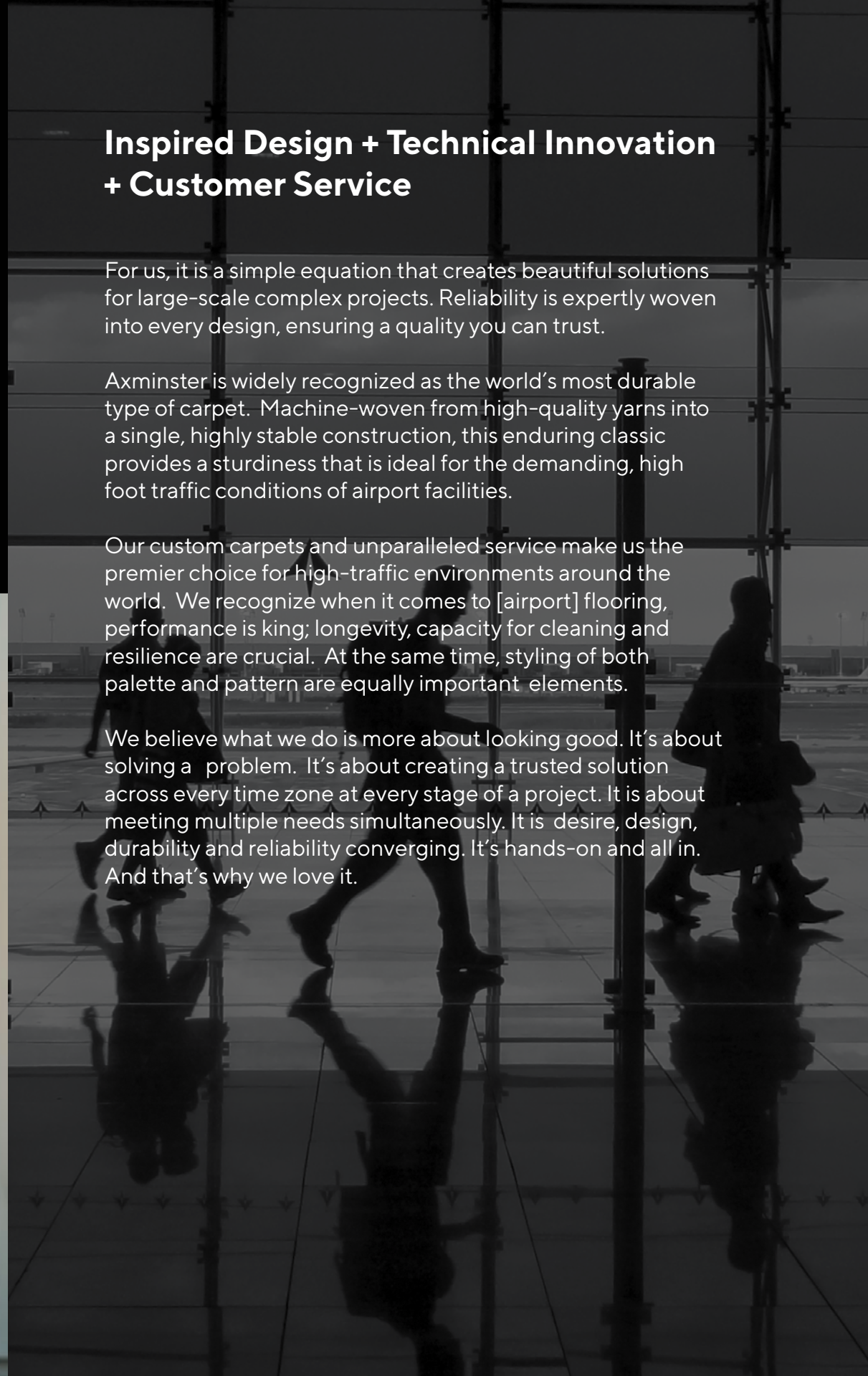
## Inspired Design + Technical Innovation + Customer Service

For us, it is a simple equation that creates beautiful solutions for large-scale complex projects. Reliability is expertly woven into every design, ensuring a quality you can trust.

Axminster is widely recognized as the world's most durable type of carpet. Machine-woven from high-quality yarns into a single, highly stable construction, this enduring classic provides a sturdiness that is ideal for the demanding, high foot traffic conditions of airport facilities.

Our custom carpets and unparalleled service make us the premier choice for high-traffic environments around the world. We recognize when it comes to [airport] flooring, performance is king; longevity, capacity for cleaning and resilience are crucial. At the same time, styling of both palette and pattern are equally important elements.

We believe what we do is more about looking good. It's about solving a problem. It's about creating a trusted solution across every time zone at every stage of a project. It is about meeting multiple needs simultaneously. It is desire, design, durability and reliability converging. It's hands-on and all in. And that's why we love it.



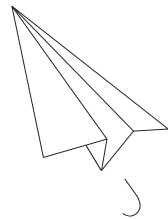
# CARPETS FOR AIRPORTS

High-traffic areas, like airports, call for a carpet specifically designed to withstand constant daily wear and tear while retaining its appearance.

Airport floors see a mixture of hard surface and carpet, however the power of a soft plush furnishing underfoot is more than aesthetics. It's enhancing guest experience. It's psychology. It's comfort.

Carpet at terminal gates creates a familiar feeling. Designers are creating spaces that feel closer and closer to waiting at home. Carpet offers the interior unlimited pattern and color options. The suitable design keeps guests calm and relaxed while they wait to board. If you feel good and are relaxed, you are more likely to make purchases at the airport.

Carpet design isn't just creating a product that you can walk on, it's comforting travelers, alleviating their stresses through color and composition, and creating an investment that returns year after year.



Air New Zealand 1st Class Lounge, Wellington




# THE WORLD'S MOST INTERNATIONALLY CONNECTED AIRPORTS

The index is generated by comparing the number of scheduled connections to and from international flights with the number of destinations served from the airport.

Singapore Airport (SIN) and Hong Kong Airport (HKG) are highest ranked airports in Asia Pacific.  
<https://www.oag.com/oag-megahubs-2019>

Hong Kong Airport and Changi Airport are the signature projects for Royal Thai because it called upon our entire range of capabilities from material quality and design to our logistical expertise and service.



*“Replacing over 80,000 sq.m. of carpet for Hong Kong International Airport Terminal 1 posed a number of formidable operational challenges. Our main concern was avoiding service disruption and passenger inconvenience in one of the world’s busiest airports.*

*The highly attentive team at Royal Thai delivered a product and service offer designed to meet all of our unique requirements – ensuring completion well ahead of our aggressive timelines and exceeding our expectations with outstanding customer service.”*

Amen Tong  
GM, Contracts – Third Runway  
Hong Kong International Airport

## Working With Royal Thai



- *Design Consultation:* What you can envision, we can create. Our state of the art studio and a team of design experts can help turn your vision into reality. We also have a design catalogue of over 10,000 ideas to help you on your journey.
- *Specification Recommendations:* Carpet selection and procurement doesn’t need to be overwhelming. Our team of experts can tailor the wide range of available products to your project’s unique demands. Balancing aesthetics with practicality, the team guides you through a seamless process to help you select the right floor covering with confidence.
- *Planning and Estimating:* Once design gives way to logistics, our planning and estimating team can help you calculate the exact number of carpet rolls needed to bring your vision to life at scale. They can also determine how your carpet rolls will all fit together into a single cohesive flooring experience across the entire property.
- *Full Project Overlays:* With projects on a grand scale, even an experienced eye may find it challenging to visualize how the final product might look. We can help by creating stunning high-fidelity overlays that simulate what the design will look like on site.
- *Field Verification:* Measurements may look good on paper, but mistakes could be costly if they don’t add up in your setting. Our field verification specialists will help to ensure that all your project measurements are aligned with on-site dimensions of your space.
- *Installation:* Proper installation is essential to your carpet’s longevity, and our expert in-house installers provide full service in select territories. Elsewhere, we’ll work closely with a trusted global network of installation specialists to supervise the process and ensure high-quality results.

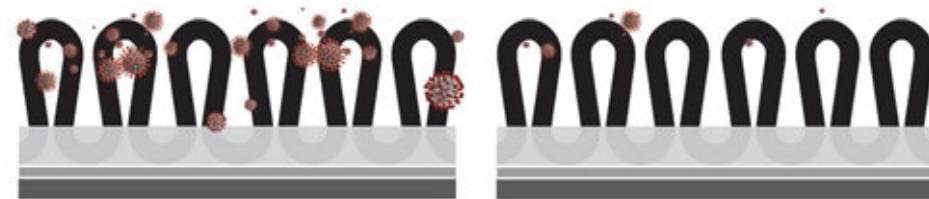
# HYGIENE BENEFITS

Royal Thai takes one step beyond WHO guidelines for COVID-19 by introducing Vi-Guard, our treated carpet with a hygiene protection guards against unwelcome bacteria, microbial attack, and covid-19.



© ROYAL THAI

Independent Tests were conducted using a common coronavirus reminiscent of SARS-Cov2, a virus with properties similar to Covid-19. In accordance with ISO 18184:2019, Vi-Guard acts to neutralize viral cell proteins coming into contact with treated carpet rendering them ineffective and reducing viral load by over 95%.



Carpet without VI-GUARD

> 95% Viral Reduction

Vi-Guard is available for all Royal Thai's products. In addition to application during production, Vi-Guard can be reapplied post-installation if required.

Carpet treated with Vi-Guard technology is proven to reduce the risk of viral transmission within occupied spaces. Along with a regular cleaning and maintenance program Vi-Guard contributes to a healthy and hygienic environment.

# ACOUSTICS

Reducing environmental noise levels within the airport interior space is critical to enhancing traveler comfort and staff wellbeing. This includes suppressing reverberation from both external (traffic, maintenance equipment) and internal (footsteps, trolleys, loud speech, etc.), noise sources.

Carpet is an outstanding sound absorbing material when compared to resilient flooring materials. Properly selected, carpet can absorb disruptive sounds as effectively as many specialized acoustical materials. Impact sound transmission to adjacent rooms is an acoustical advantage that becomes obvious as soon as carpet is installed over an existing hard-surface floor. No other acoustical material performs a dual purpose as well as carpet as both floor covering and versatile acoustical aid.



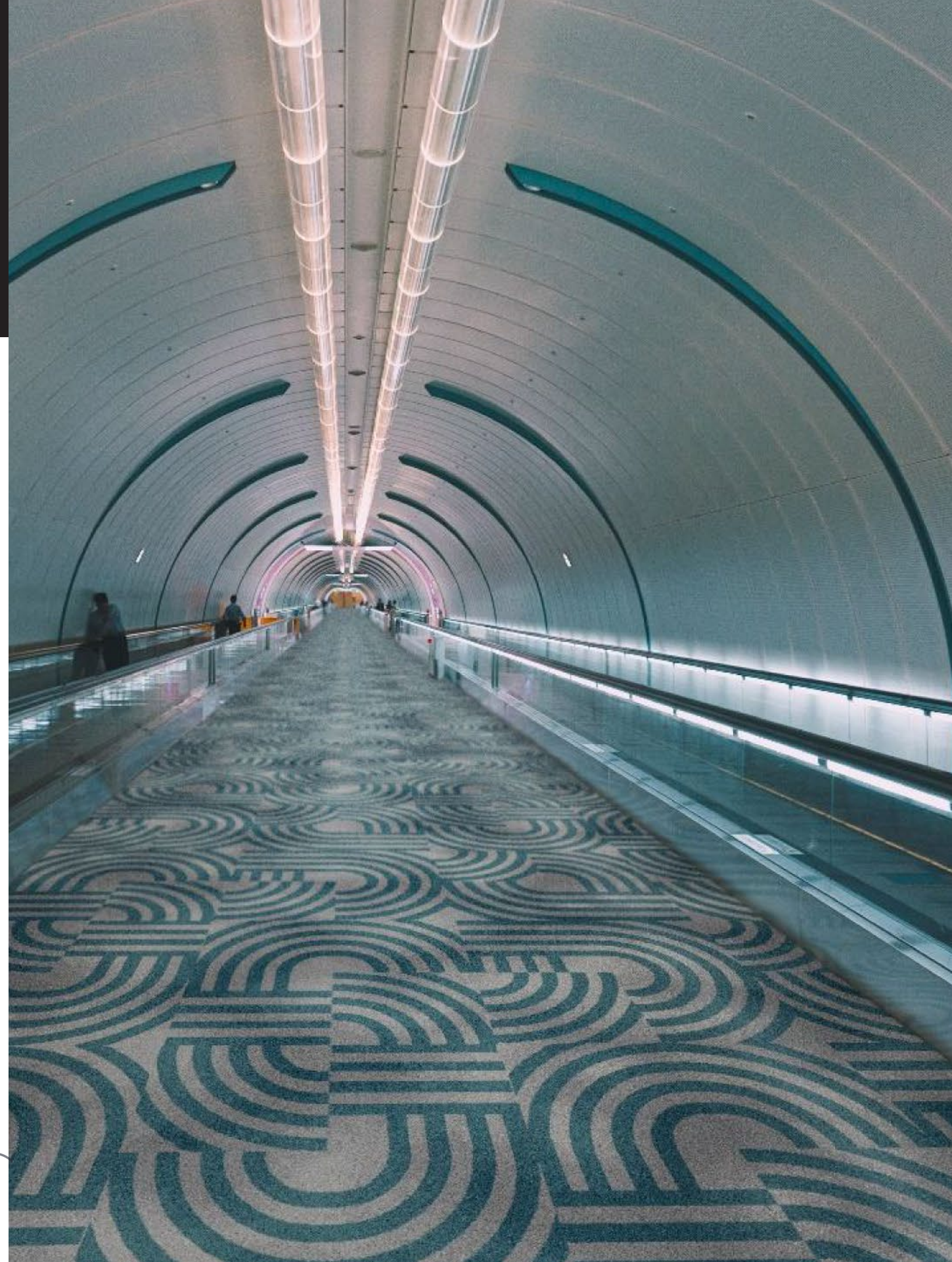
# PERFORMANCE

Airport facility managers and building consultants must evaluate and determine which flooring type is fit for purpose for each location within the facilities.

## **Inherent Characteristic**

Airborne dust and bacterial particulates are released through everyday foot traffic and/or drafts from access routes. While hard surface floors allow allergens to be kicked up into the air, carpet improves indoor air quality by capturing dust and small particulates within its pile surface, until they are vacuumed away.

Carpet effectively absorbs impact. Carpet will reduce leg muscle fatigue to a greater degree as compared with hard-floor impact, providing a higher degree of comfort for weary travelers. Better underfoot comfort also contributes to wellness and increased productivity for airport staff.







# CORPORATE SOCIAL RESPONSIBILITY

We recognize that our choices have implications for our customers, associates and environment. We believe it is our responsibility to invest the same level of care and craft into using and managing resources as we do in creating our carpets. We know environmental actions go beyond the cliché of “green”. Our environmental focus, which has been a part of our process for the last 50 years, centers on three specific areas: Certification, Materials, and Social Responsibility.

We believe the certification of our products by credible third parties is crucial as it provides impartial and verifiable claims that benefit our clients. The materials we use must meet environmental standards and the same high-level quality reflected in our products. We believe we have a social responsibility to our employees and the communities in which we operate.



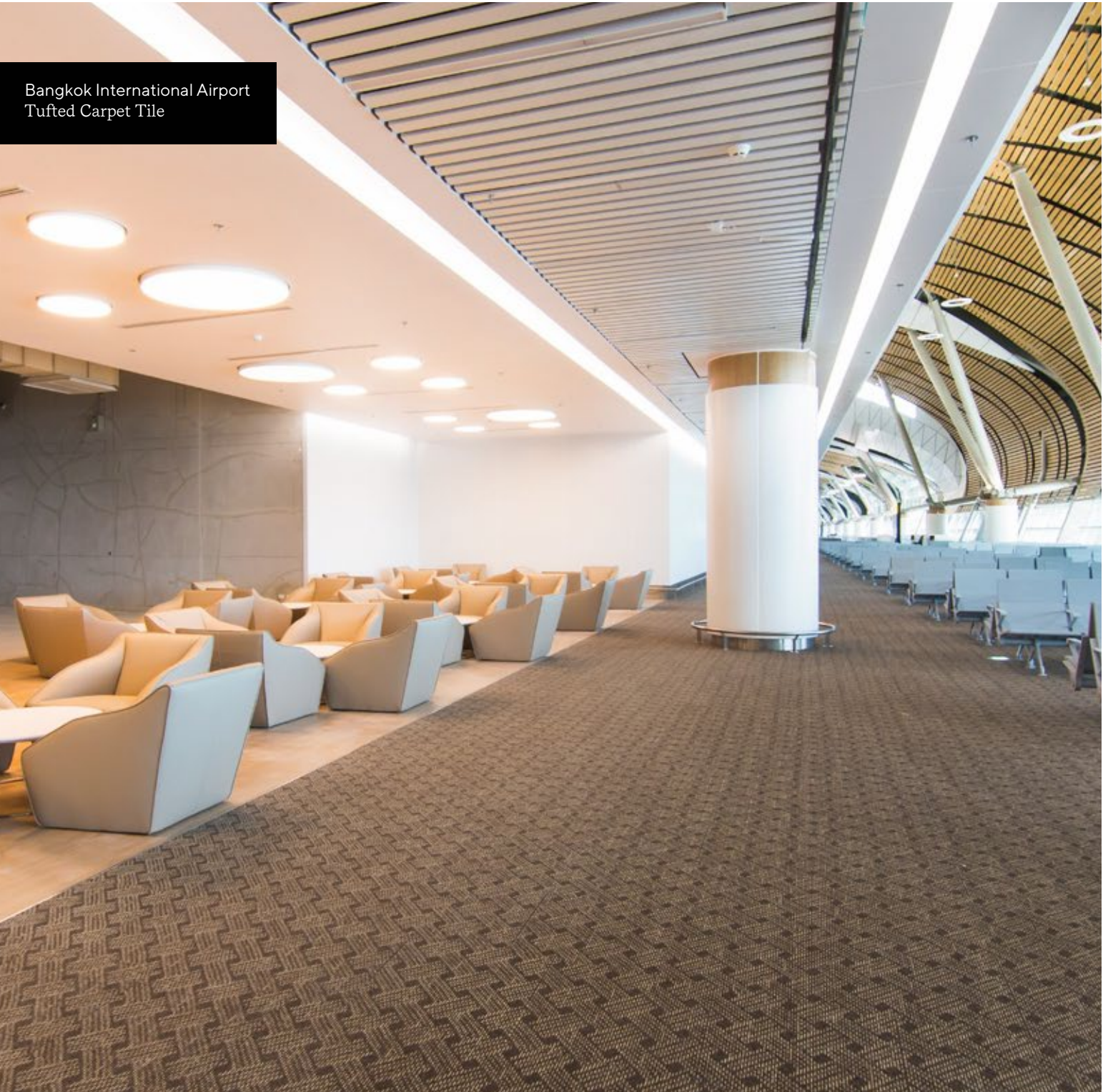
# PROJECT REFERENCES



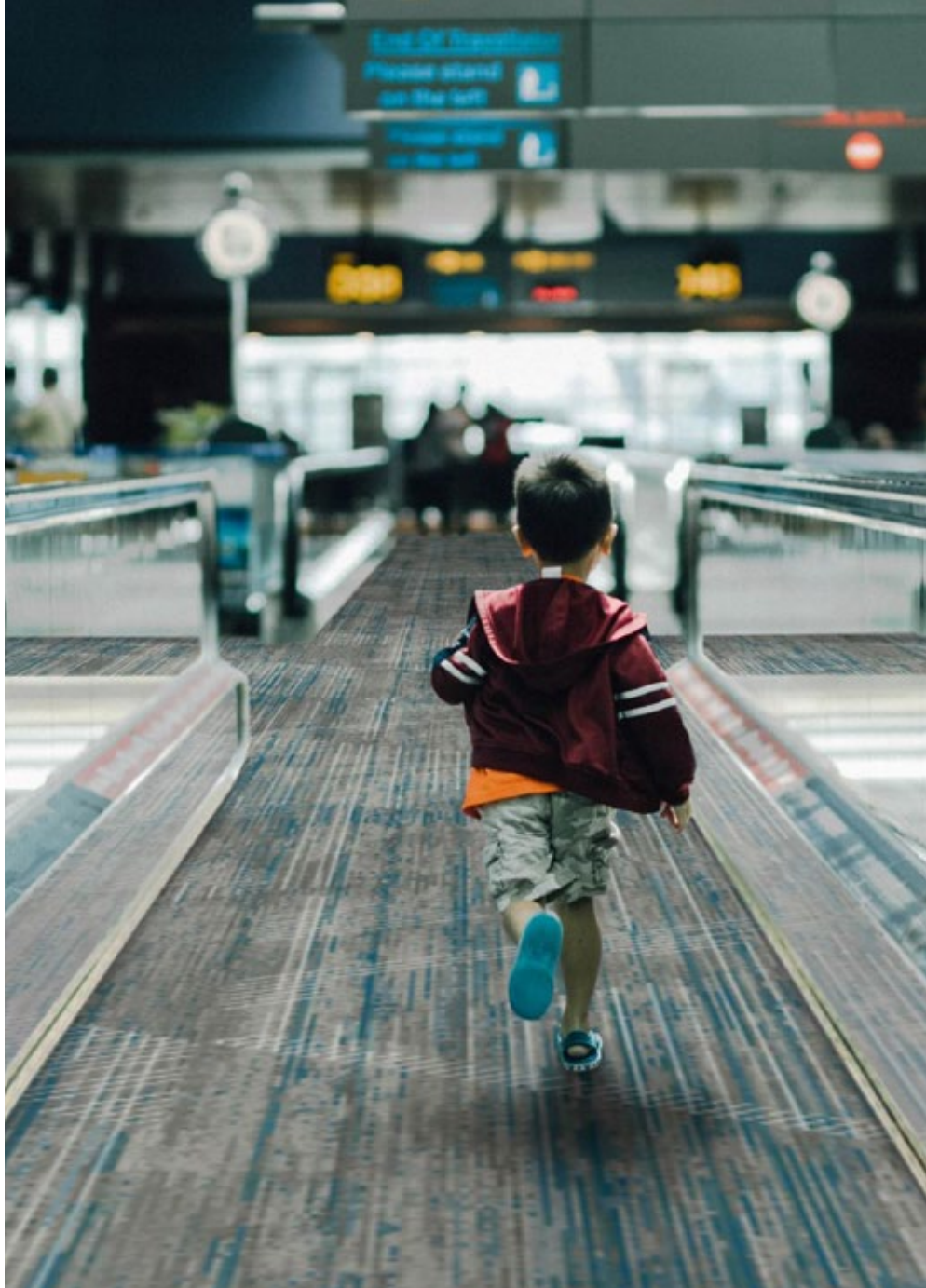
The Westin Denver International Airport  
Broadloom Axminster



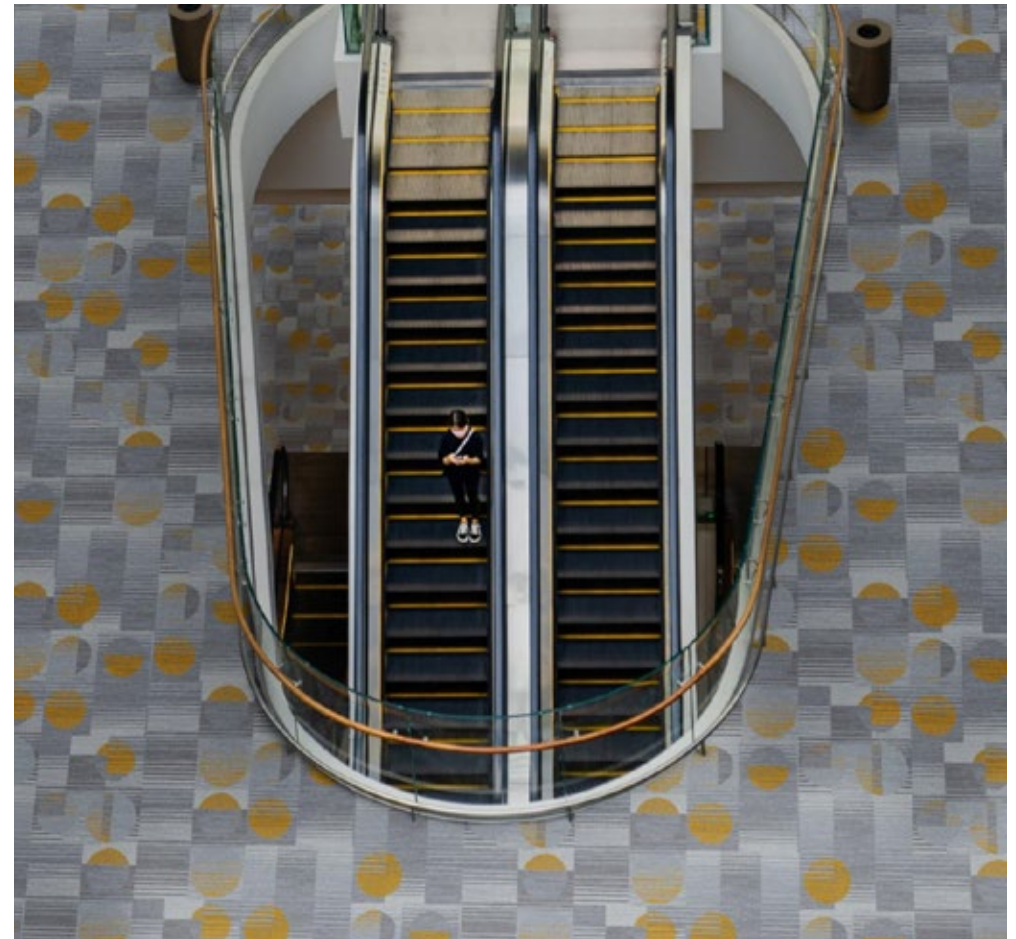
Bangkok International Airport  
Tufted Carpet Tile



We also offer machine tufted carpet tile from Carpets Inter our sister brand.



# INSPIRED BY EVERYTHING

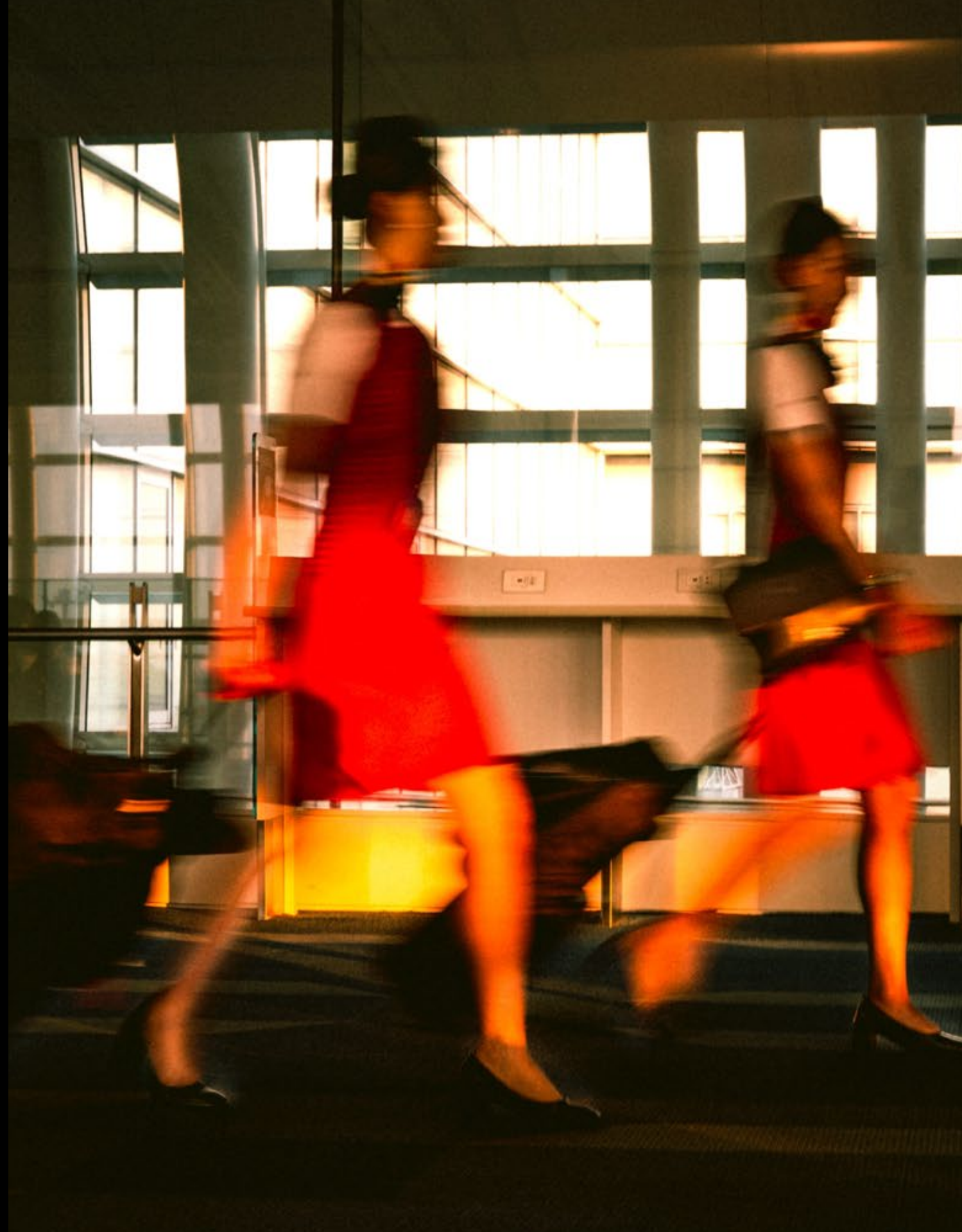


Royal Thai takes flooring to another level, with inspired designs that will elevate and enhance any space. No matter where in the world our carpets roll out, they capture attention and allow you to add the finishing touch to spaces and stories.



# PROJECT LISTS

- Hong Kong International Airport
- Singapore Changi Airport
- The Westin Denver International Airport
- Suvarnabhumi Airport, Thailand
- Air New Zealand First Class Lounge, Sydney
- Auckland Airport, New Zealand
- Mae Fah Luang International Airport, Thailand
- Hat Yai International Airport, Thailand
- Chiang Mai International Airport, Thailand
- Delhi International Airport, India
- Cathay Pacific (CX) Airport Lounges:
  - Hong Kong
  - San Francisco, USA
  - London, United Kingdom
  - Frankfurt, Germany
  - Vancouver, Canada
  - Penang, Malaysia
  - Singapore
  - Taipei
  - Manila, The Philippines



# AXMINSTER BROADLOOM AND AXMINSTER TILE WITH ECOSOFT® RECYCLED CUSHION BACKING



**EcoSoft®** recycled cushion backing contains 80% post-consumer material reengineered from discarded plastic drinking bottles and 5% post-industrial recycled PET

## LEED Credit Contribution

### Materials & Resources:

Sourcing of Raw Materials	Option 2: Bio-based Materials, ASTM D6866
Material Ingredients	Option 1: Material Ingredient Reporting: Health Product Declaration Option 2: Material Ingredient Optimization: REACH Optimization

### Indoor Environmental Quality:

Low Emitting Materials	CRI Green Label Plus Certified
Acoustic Performance	Option 2: Acoustical Finishes and Site Exterior Noise

## International Standards



We apply strict quality control at all stages of production, in compliance with ISO 9001. However, the carpet manufacturing process is a complex series of operations and variations in the specifications could occur. This will not have any detrimental effect on the product. We reserve the right to amend this specification without prior notice.

## SPECIFICATIONS

	Axminster Broadloom		Axminster Tile	
	Woven Axminster	Woven Axminster	Axminster Tile with EcoSoft® Back	Axminster Tile with EcoSoft® Back
<b>Quality</b>	Gripper Axminster	Gripper Axminster	Gripper Axminster	Gripper Axminster
<b>Construction</b>	80% Wool / 20% Nylon 6,6	100% Nylon 6,6	80% Wool / 20% Nylon 6,6	100% Nylon 6,6
<b>Pile Content</b>	R 660/2 Tex, 2/47's Dewsbury	R 600/2 Tex, 2/52s Dewsbury	R 660/2 Tex, 2/47's Dewsbury	R 600/2 Tex, 2/52s Dewsbury
<b>Yarn Count</b>	7	7	7	7
<b>Pitch Per Inch</b>	10	10	10	10
<b>Rows Per Inch</b>	7.1 mm (0.281 inch)	7.1 mm (0.281 inch)	7.1 mm (0.281 inch)	7.1 mm (0.281 inch)
<b>Pile Height</b>	43.6 oz/sy (1478 gm/sm)	39.4 oz/sy (1336 gm/sm)	43.6 oz/sy (1478 gm/sm)	39.40 oz/sy (1336 gm/sm)
<b>Pile Weight</b>	69.8 oz/sy (2365 gm/sm)	65.6 oz/sy (2223 gm/sm)	141.1 oz/sy (4784 gm/sm)	136.9 oz/sy (4642 gm/sm)
<b>Total Weight</b>	9.5 mm (0.374 inch)	9.5 mm (0.374 inch)	13.5 mm (0.532 inch)	13.5 mm (0.532 inch)
<b>Total Thickness</b>	70	70	70	70
<b>Tuft Density</b>	Polyester/ Polypropylene	Polyester/ Polypropylene	<b>EcoSoft®</b> Recycled Cushion Backing	<b>EcoSoft®</b> Recycled Cushion Backing
<b>Backing Structure</b>	Roll width 3.66/4.00 m.	Roll width 3.66/4.00 m.	100 cm x 100 cm	100 cm x 100 cm
<b>Size</b>	ASTM D2859 CPSC FF 1-70 Pill Test			
<b>Flammability</b>	ASTM E-648 Class I Radiant Panel			
<b>Radiant Panel</b>	ASTM E662-01 Smoke Density <450			
<b>Smoke Density</b>	CRI Green Label Plus			
<b>Indoor Air Quality</b>	AATCC 134/ISO 6356 Permanent Anti-Stat Less Than 3.5 KV			
<b>Electrostatic Propensity</b>	Fully Mothproofed			
<b>Insect Resistance</b>	ISO 9001 / ISO 14001 / ISO 45001 / ISO50001			
<b>International Standards</b>				

Please consult your Royal Thai Representative for the specification that best suits your project.



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