

Insulated Panels
Australia

Kingspan Dri-Design Product Data Sheet



Product Data

Product Overview

Kingspan Dri-Design is a modern architectural-grade metal rainscreen wall system that is durable and delivers striking aesthetics. Dri-Design installs faster than many comparable systems and can be directly fixed to the external skin of Kingspan Karrier Panels and K-Roc™ Karrier Panels, or be fixed to top hats to form a ventilated cavity with a traditional construction method.

Application

Dri-Design offers the ultimate design flexibility for exterior and interior applications. Its unique interlocking system helps ensure long-term performance, minimising issues such as delaminating, streaking, or staining commonly associated with silicone sealants and gaskets.

Dri-Design cassettes can be installed on locally manufactured Karrier Panels and K-Roc™ Karrier Panels, or on imported Eurobond Rainspan panels. Alternatively, the cassettes can be installed on top hats over a traditional built-up construction method, or on top hats / structural supports with a moisture barrier as required over concrete walls.

Finishes

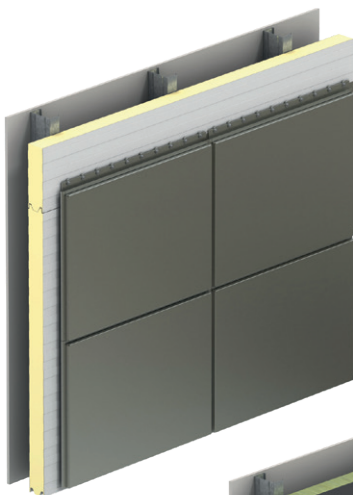
Aluminium Dri-Design cassettes are available in a variety of powder coating finishes including:

- **Dulux commercial powder range:** Protexture, Duratec, Charisma, Electro and Fluoroset.
- **Interpon commercial powder range:** Futura D2525 and Interpon D3020.
- Other bespoke solutions such as Anodised Aluminium.*

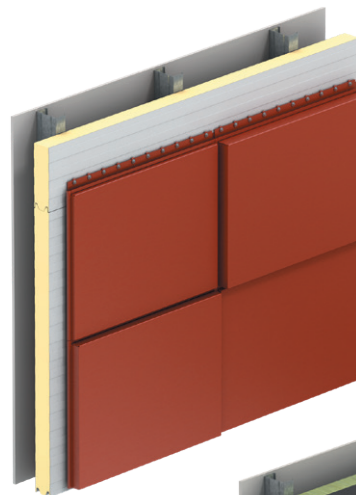
* Please contact your local Kingspan representative.

Cassette Profile Types

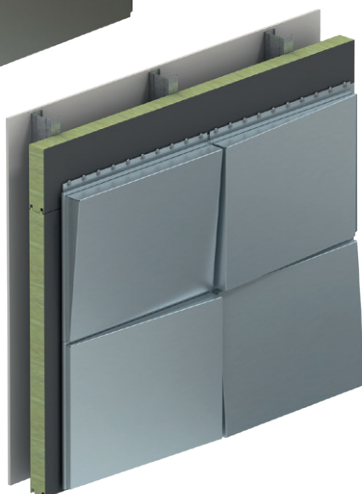
Kingspan Dri-Design cassette profile options include: Flat, Shadow, Tapered and Perforated, as indicated below.



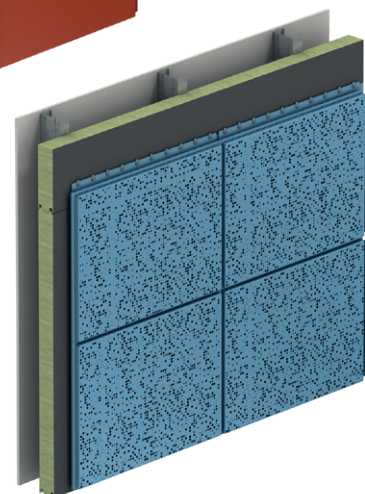
Kingspan
Dri-Design Flat
on Karrier Panel



Kingspan
Dri-Design Shadow
on Karrier Panel



Kingspan
Dri-Design Tapered
on K-Roc™ Karrier Panel



Kingspan
Dri-Design Perforated
on K-Roc™ Karrier Panel

Product Data

Cassette Types, Thickness & Weight

Cassette Type	Nominal Thickness	Depth Range	Weight
Flat (standard)	2 mm	32 mm (standard)	5.4 (kg/m²)
Shadow		33 mm - 90 mm	
Tapered		33 mm - 75 mm (on edge)	
Perforated* (all profiles)		As per profiles above	
Corner* (Flat, Shadow and Tapered)			

* Available on request, subject to project set out. Please contact your local Kingspan representative.

Tolerances

Length	± 2 mm
Width	± 2 mm
Thickness	± 2 mm
Squareness	± 2 mm
Flatness	± 2 mm

Materials

Kingspan Dri-Design is manufactured using Aluminium -5005 H34 (Standard). Other bespoke solutions, such as Anodised aluminium, are available. Please contact your local Kingspan representative.

Dimensions - Cassettes

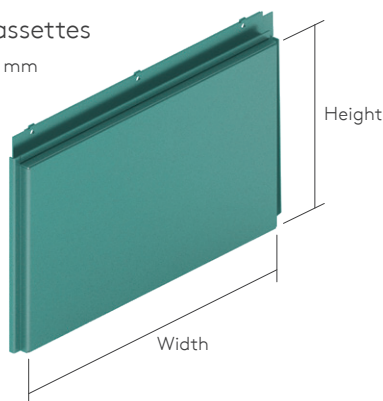
The cassette sizes indicated below are subject to wind load requirements and specific project conditions. The information provided is based on 2 mm aluminium Dri-Design cassettes

Minimum face size: 170 mm (height) × 390 mm (width).

The sketch opposite outlines the height and width dimensions for different cassette types (Flat, Shadow, and Tapered) for clarity. Contact your local Kingspan representative for guidance.

Flat Cassettes

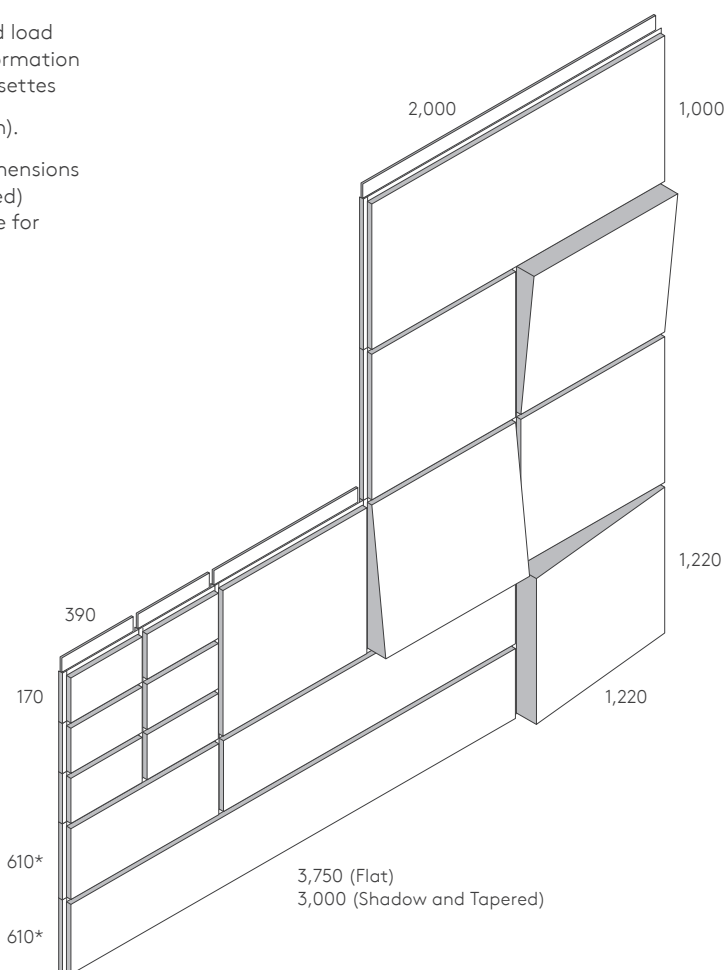
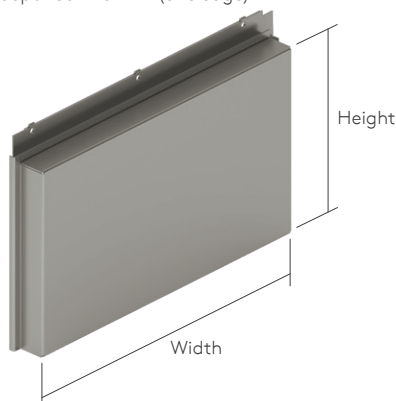
Depth 32 mm



Shadow and Tapered Cassettes

Shadow: depth 33 - 90 mm

Tapered: depth 33 - 75 mm (one edge)



All dimensions in mm.

* Maximum standard height for Shadow and Tapered Cassettes.

Product Data

Fire Performance

Reaction to Fire

Kingspan Dri-Design aluminium is manufactured from a solid aluminium which meets the requirements of DTS Provision NCC C1.9 (e) and C2D10 (6)(e) of the NCC 2019 Amnt 1 and NCC 2022 respectively.

Test	Test Method	Result
Ignitability	AS/NZS: 1530.3: 1999	Ignitability Index: 0
Flame Spread		Spread of Flame Index: 0
Heat Release		Heat Evolved Index: 0
Smoke Release		Smoke Developed Index: 4

Structural Performance

Please contact your local Kingspan representative.

Environmental

Aluminium can be fully recycled and used for the production of new material.

Quality and Durability

Kingspan Façade Systems components are manufactured from the highest quality materials to rigorous quality control standards, complying with ISO 9001: 2000 standard, ensuring long-term reliability and service life.

Guarantees and Warranties

Kingspan will provide external coating and product guarantees on an individual project basis.

Packaging and Storage

The Dri-Design cassettes are typically packed in a timber crate with protection placed between each set of cassettes.

Protect Dri-Design crates during storage against rain, penetration of moisture and condensation, e.g. when transporting cold cassettes to warmer rooms. Do not stack crates.

Storage exceeding 6 months should be avoided, as it may become difficult to remove any protective films which may be applied. To prevent the possibility of damage, cassettes should not be stacked on top of each other.

Delivery

All deliveries (unless indicated otherwise) are by flatbed road transport to project site. Off loading is the responsibility of the client. Export orders are transported in shipping containers. WA orders are transported in shipping containers, unless road freight is opted for.

Handling

The crates must be handled carefully during transport and unloading. Do not handle open crates. Upon delivery the crates must be examined for any damage due to moisture (cassettes that have become wet must be dried to avoid any spots or corrosion forming).

Individual cassettes must be lifted out of the crate by two people holding all four corners and not drawn over each other. Carry the cassettes vertically. Wear gloves to avoid staining.

Site Installation Procedure

Site assembly instructions are available from Technical Services. Kingspan recommend that the appointed contractor attend the product installation training course prior to installation, which is provided by Kingspan Field Services.

Contact Details

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Product Data Sheet.

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

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