

Insulated Panels  
Australia

# Kingspan Hook-on Cassette

## Product Data Sheet



# Product Data

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## Product Overview

Kingspan Hook-on Cassette is a large format, secret-fix façade solution, supplied with proprietary vertical mullions and accessories.

Hook-on Cassette offers fast and simple installation by hooking over locating clips installed within the mullions, providing a 10-18 mm shadow line joint. Hook-on Cassettes can be installed on Kingspan Karrier Panel Systems.

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## Application

The Hook-on Cassette is a secret-fix solution that can be installed in either a landscape or portrait orientation. Large cassettes can be fabricated due to the structural design. It is easily serviceable and offers various joint widths.

Hook-on Cassettes can be installed on locally manufactured Karrier Panels and K-Roc™ Karrier 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.

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## Finishes

Hook-on Cassettes are available in a variety of powder coating finishes including:

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

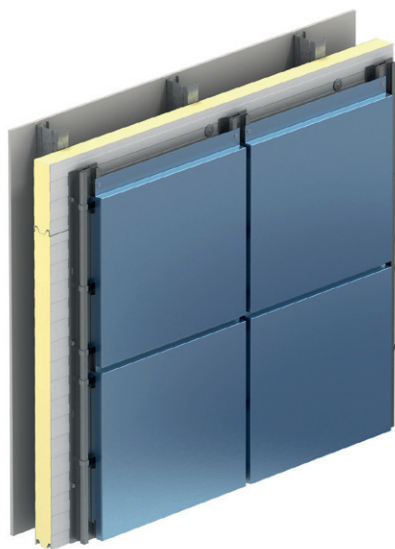
\* Please contact your local Kingspan representative.

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## Cassette Profile Types

Kingspan Hook-on Cassette profile options include: Flat, Shadow, Tapered and Perforated.\*

\* Shadow, Tapered and, Perforated cassettes are available on request. Please contact your local Kingspan representative.



Kingspan Hook-on Cassette (Flat)  
on Karrier Panel



Kingspan Hook-on Cassette (Flat)  
on K-Roc™ Karrier Panel

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## Cassette Types & Dimensions

The following are the maximum and minimum face sizes available for Hook-on Cassettes. The material thickness and project-specific wind loads will determine the maximum allowable size. For further information, please contact your local Kingspan representative.

| Cassette Type | Minimum Face Size (w x h) | Maximum Face Size (w x h) | Depth Range |
|---------------|---------------------------|---------------------------|-------------|
| Flat          | 400 mm x 200 mm           | 3,000 mm x 610 mm         | 60 mm       |

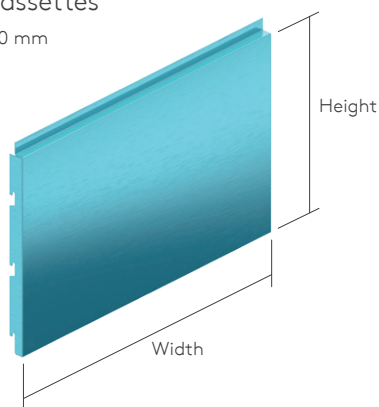
\* Shadow, Tapered, Perforated and Corner profiles are available by request, and subject to project set out. Please contact your local Kingspan Sales Representative.

## Tolerances

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

## Flat Cassettes

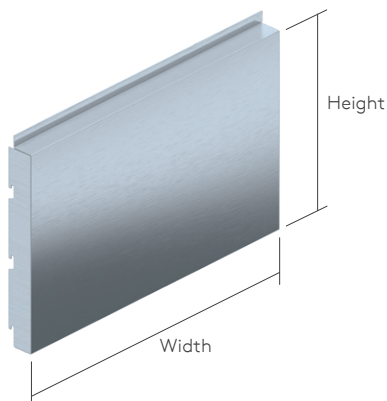
Depth 60 mm



## Shadow (shown) and Tapered Cassettes

Shadow: depth 61 - 90 mm

Tapered: depth 61 - 75 mm (one edge)



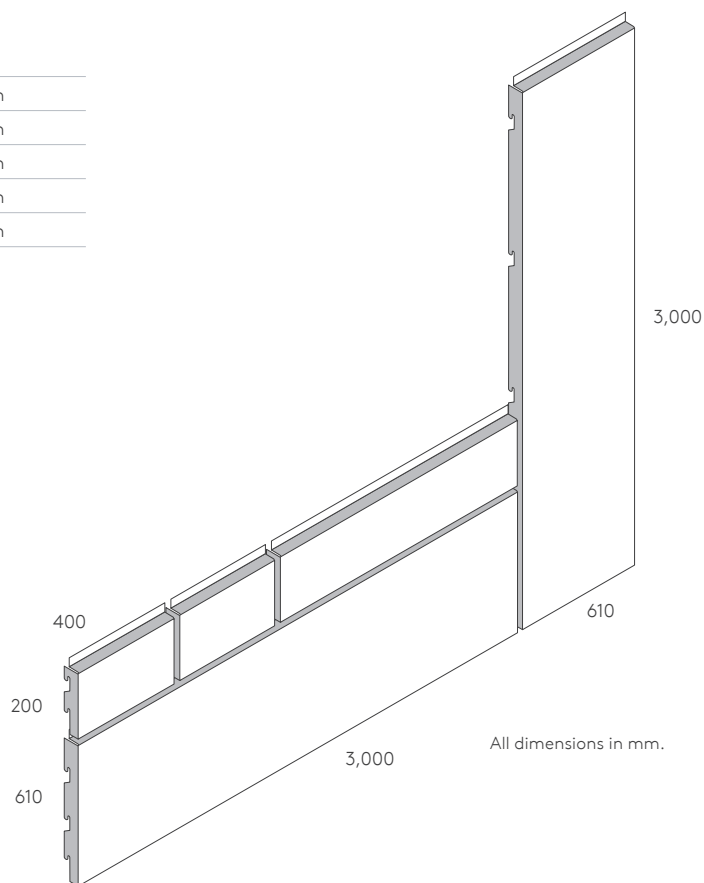
## Dimensions - Joint Detail

10 - 18 mm horizontally. 10 - 18 mm vertically.

## Cassette Thickness & Weight

| Material                       | Nominal Thickness | Typical Weight           |
|--------------------------------|-------------------|--------------------------|
| Aluminium -5005 H34 (Standard) | 1.6 mm            | 4.3 (kg/m <sup>2</sup> ) |
|                                | 2.0 mm            | 5.4 (kg/m <sup>2</sup> ) |
|                                | 3.0 mm            | 8.1 (kg/m <sup>2</sup> ) |

Other bespoke solutions, such as Anodised aluminium, are available. Please contact your local Kingspan Sales Representative.



# Product Data

## Fire Performance

### Reaction to Fire

Kingspan aluminium Hook-on Cassette 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:<br>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 components are manufactured from the highest quality materials to rigorous quality control standards, complying with ISO 9001: 2000, 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 Hook-on Cassettes are typically packed on a timber pallet with cardboard on top. Cardboard is also placed between each set of cassettes. A completed pack is wrapped in cardboard and wood is fixed around the top and sides. Packaging is completed by shrink wrapping the entire pallet in polythene.

Protect Kingspan aluminium Hook-on Cassette pallets during storage against rain, penetration of moisture and condensation. Avoid any condensation forming (e.g. when transporting cold cassettes to warmer rooms). Do not stack pallets.

Storage exceeding 6 months should be avoided, as it may become difficult to remove any protective films which may be applied. When stacking the cassettes nothing should be placed in-between them, as this could result in surface damage.

## 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 pallets must be handled carefully during transport and unloading. Do not handle open pallets. Upon delivery the pallets 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 pallet 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.

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# Contact Details

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## Australia

**Kingspan Insulated Panels Pty Ltd**  
38-52 Dunheved Circuit | St Marys  
NSW 2760 Australia

T: +61 (02) 8889 3000

F: +61 (02) 8889 3099

E: [info@kingspanpanels.com.au](mailto:info@kingspanpanels.com.au)  
[kingspanpanels.com.au](http://kingspanpanels.com.au)



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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](http://www.kingspanpanels.com)

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