

# the kingspan collection.

inspired by

**barnett**  
**josef**  
**ellsworth**  
**piet**

**art  
of  
colour**

for insulated roof  
and wall panel  
systems

publication date:  
december 2011



Australian  
Institute of  
Architects

proud supporting corporate partner



**Kingspan**<sup>®</sup>

Insulated Panels

## New and Improved

Kingspan Insulated Panels are proud to present The Kingspan Collection – the art of colour. The collection consists of a strong, bold and enticing palette of industry inspired colours, designed by architects for architects, which provides premium protection to the building envelope.

This new range combines European technology with locally sourced pre-painted steel. Collectively the key components deliver a product with a high level of UV protection, corrosion resistance and colour retention which is required to withstand the diverse Australasian climate.

The Kingspan Collection is designed in accordance with Kingspan's global sustainability visions and objectives, and as such contains products that are recyclable.

This new and exciting colour palette presents specifiers with a collection of shades from subtle pastels to vibrant primary colours. The wide variety of colours provide many design possibilities using either individual selections or by a combination of complimentary colours.

## Benefits

- Colour range inspired by Architects
- Broad range of colours
- Available on short production lead times
- Guaranteed for up to 15 years on walls and 25 years on Roofs
- Utilisation of paint technologies to suit the application and the surrounding environment
- Flexibility to engineer a product to meet the specifications
- Excellent colour retention
- Excellent resistance to chalking and fading
- Enhanced corrosion resistance
- Recyclable

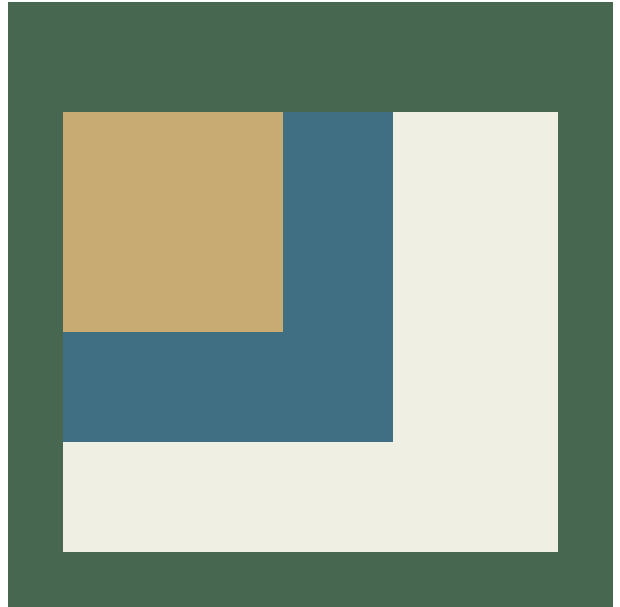
To assist you in your colour selection, the full colour range has been broken down into the following collections inspired by:

<b>barnett</b>	<b>standard</b>
<b>josef</b>	<b>high performance</b>
<b>ellsworth</b>	<b>metallic</b>
<b>piet</b>	<b>vivid</b>



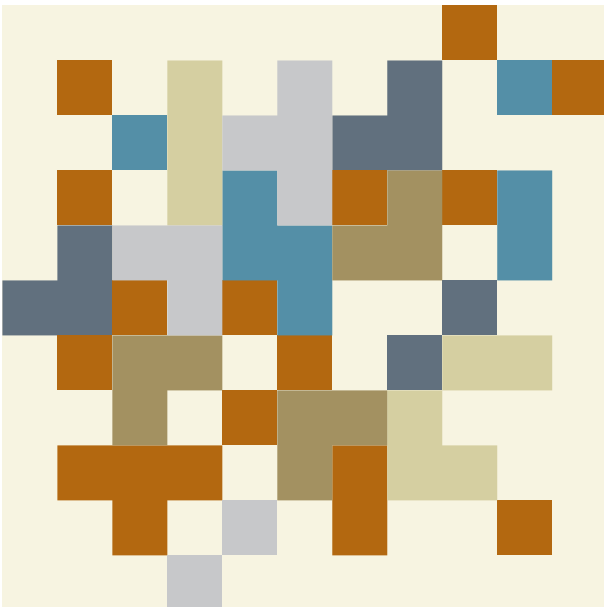
**standard range**  
inspired by barnett

American artist Barnett Newman is seen as one of the major figures in abstract expressionism and one of the foremost of the colour field painters. His use of hard-edged areas of flat colour, can be seen as a precursor to post painterly abstraction.



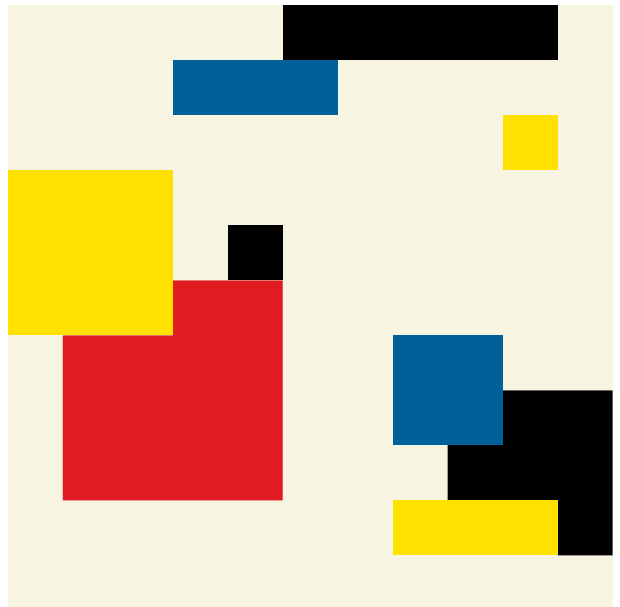
**high performance range**  
inspired by josef

German-born American artist and Professor Josef Albers is well known for his patterns and intense colour usage influenced by the constructivists and the Bauhaus movement.



**metallic range**  
inspired by ellsworth

American painter and sculptor Ellsworth Kelly is associated with Hard-edge painting, Colour Field painting and the Minimalist school. His works demonstrate unassuming techniques that emphasize the simplicity of form.



**vivid range**  
inspired by piet

Dutch born artist Piet Mondriaan was an important contributor to the De Stijl art movement and group. He evolved a non-representational form which he termed Neo-Plasticism which advocated pure abstraction and universality by a reduction to the essentials of form and colour.

# barnett

# standard range

## Suitable for

roof and wall applications  
in standard, non corrosive  
environments

## General

- ▲ Stocked KS1000 RW / FB
- Stocked KS1000 AWP

## Lead Time

For non stocked Colours additional  
lead times may apply. Non Stocked  
Colours are subject to minimum  
order quantities / surcharges.  
Please contact Kingspan Customer  
Service for further advice.

## Colour Samples

Metal swatches for each range can  
be requested through Kingspan's  
Marketing Department to assist you  
in verifying colour and texture of the  
coating system before specification.

## Coating Information

Paint Technology	SMP or Polyester
Substrate	AZ150
Primer	UV Resistant Corrosion Inhibitive Primer

## Description

Total Film Thickness (Top Coat)	Nominal: 25 microns
Gloss (Gardner 60)	25 – 80%

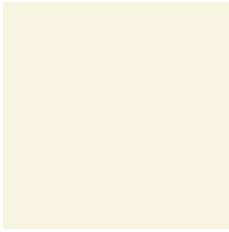
## Expected Performance

Scratch resistance	1800g (min)
Impact resistance	≥ 10 joules
Resistance to cracking on bending - adhesion	≥ 6T (max)
Salt spray testing – Corrosion Resistance	1000 hrs
Blister Density	≤ 2
Blister Size	≤ S3
Under Cut	≤ 2mm
Condensation / Humidity resistance	500 hrs
Blister Density	≤ 3
Blister Size	≤ S2
Temperature / Heat resistance	100° continuous 24 hrs ΔE Hunterlab ≤ 3 units
UV resistance	2000 hrs ΔE Hunterlab ≤ 4 units

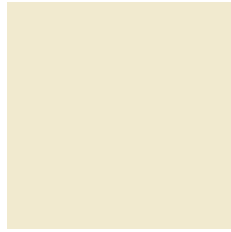
## The Kingspan Guarantee

	The Standard collection is covered for the following periods	
	<b>Inland</b>	<b>Marine*</b>
Walls	Up to 15 years	Up to 10 years
Roof	Up to 20 years	Up to 15 years

\* Marine area typically refers to buildings within 1km of any coast  
(Zone C, D, E, F as per AS/NZ2728, for specific information refer to this standard)  
Please note this table should be referred to as a guideline only.  
For further information and full Terms and Conditions contact Kingspan Technical Services



Off White



Smooth Cream



Dusk



Gull Grey



Stone



Wheat



Merino



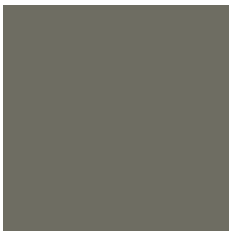
Sandlewood



Birch



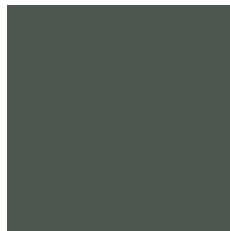
Bush Smoke



Armour Grey



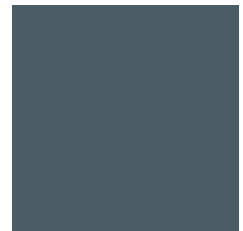
Iron Grey



Slate Grey



Blue Horizon



Mountain Blue



Lazarite Blue



Brunswick Green



Caulfield Green



Rivergum



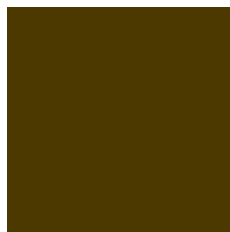
Mist Green



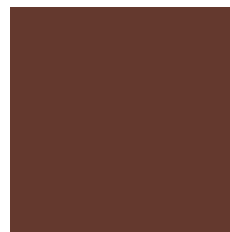
Bronze Olive



Jasmine Brown



Iron Bark



Weathered Copper



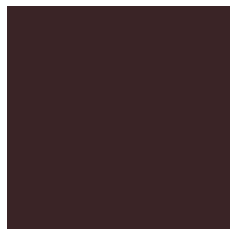
Mandarin



Tuscan Red



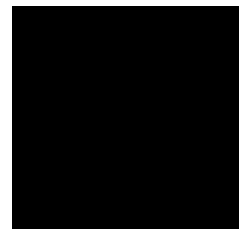
Heritage Red



Attic



Monolith



Ebony

# josef high performance range

## Suitable for

roof and wall applications, this range has been specifically engineered to provide superior performance in respect to corrosion resistance and overall durability. Ideally suited for marine and harsh industrial environments where product performance is essential. The combination of an AZ200 substrate and high performance paint and primer system delivers a steel based product that has no comparison.

## General

▲ Stocked KS1000 RW / FB

■ Stocked KS1000 AWP

## Lead Time

For non stocked Colours additional lead times may apply. Non Stocked Colours are subject to minimum order quantities / surcharges. Please contact Kingspan Customer Service for further advice.

## Colour Samples

Metal swatches for each range can be requested through Kingspan's Marketing Department to assist you in verifying colour and texture of the coating system before specification.

Coating Information	Roof	Wall
Paint Technology	SMP (EXDX)	PVDF (colorguard plus)
Substrate	AZ200	AZ200
Primer	High Performance	High Performance
<b>Description</b>		
Total Film Thickness (Top Coat)	Nominal: 25 microns	Nominal: 25 microns
Gloss (Gardner 60)	25%	25%

## Expected Performance

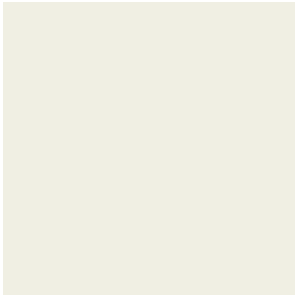
Scratch resistance	1800g (min)	1500g (min)
Impact resistance	≥ 10 joules	≥ 10 joules
Resistance to cracking on bending - adhesion	≥ 6T (max)	≥ 5T (max)
Salt spray testing – Corrosion Resistance	1000 hrs	500 hrs
Blister Density	≤ 2	≤ 2
Blister Size	≤ S3	≤ S3
Under Cut	≤ 2mm	≤ 2mm
Condensation / Humidity resistance	500 hrs	500 hrs
Blister Density	≤ 3	≤ 3
Blister Size	≤ S2	≤ S2
Temperature / Heat resistance	100° continuous 24 hrs ΔE Hunterlab ≤ 3 units	100° continuous 24 hrs ΔE Hunterlab ≤ 3 units
UV resistance	2000 hrs ΔE Hunterlab ≤ 3 units	2000 hrs ΔE Hunterlab ≤ 3 units

## The Kingspan Guarantee

The High performance collection is covered for the following periods

	Inland	Marine*
Walls	Up to 15 years	Up to 12 years
Roof	Up to 25 years	Up to 15 years

\* Marine area typically refers to buildings within 1km of any coast (Zone C, D, E, F as per AS/NZ2728, for specific information refer to this standard)  
Please note this table should be referred to as a guideline only.  
For further information and full Terms and Conditions contact Kingspan Technical Services



Coral White \*



Gull Grey



Birch Grey



Armour Grey



Slate Grey



Iron Grey



Black Grey \*



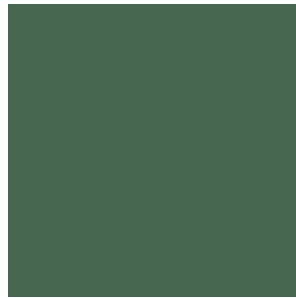
Charcoal Grey \*



Mountain Blue



Torres Blue



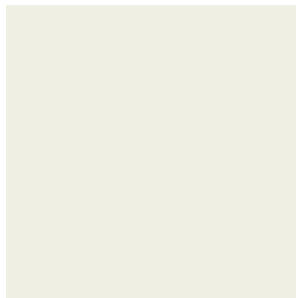
Rivergum



Sandlewood



Tuscan Red



Off White

\* Not recommended for roof applications

# ellsworth

## metallic range

### Suitable for

roof and wall applications. Offering a palette of striking Pearle luminescent colours the range is suitable for benign and industrial environments.

### High Performance

Alternative coatings are available for the Metallic range on request. Minimum order quantities do apply. Please contact Kingspan Customer Service for further details.

### General

- ▲ Stocked KS1000 RW / FB
- Stocked KS1000 AWP

### Lead Time

For non stocked Colours additional lead times may apply. Non Stocked Colours are subject to minimum order quantities / surcharges. Please contact Kingspan Customer Service for further advice.

### Colour Samples

Metal swatches for each range can be requested through Kingspan's Marketing Department to assist you in verifying colour and texture of the coating system before specification.

### Coating Information

Paint Technology	PVDF
Substrate	AZ150
Primer	High Performance
<b>Description</b>	
Total Film Thickness (Top Coat)	Nominal: 25 microns
Gloss (Gardner 60)	25%

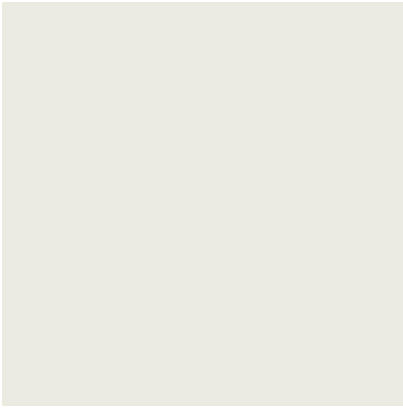
### Expected Performance

Scratch resistance	1500g (min)
Impact resistance	≥ 10 joules
Resistance to cracking on bending - adhesion	≥ 5T (max)
Salt spray testing –	
Corrosion Resistance	500 hrs
Blister Density	≤ 2
Blister Size	≤ S3
Under Cut	≤ 2mm
Condensation / Humidity resistance	500 hrs
Blister Density	≤ 3
Blister Size	≤ S2
Temperature / Heat resistance	100° continuous 24 hrs ΔE Hunterlab ≤ 3 units
UV resistance	2000 hrs ΔE Hunterlab ≤ 3 units

### The Kingspan Guarantee

	The Metallic collection is covered for the following periods	
	<b>Inland</b>	<b>Marine*</b>
Walls	Up to 15 years	Up to 10 years
Roof	Up to 20 years	Up to 10 years

\* Marine area typically refers to buildings within 1km of any coast (Zone C, D, E, F as per AS/NZ2728, for specific information refer to this standard)  
Please note this table should be referred to as a guideline only.  
For further information and full Terms and Conditions contact Kingspan Technical Services



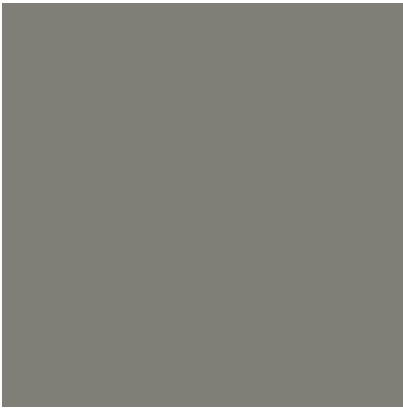
Silver Coin



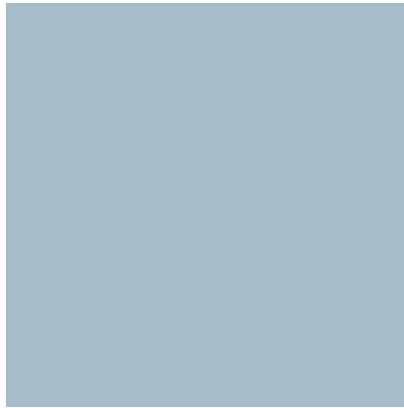
Silver City



Portico Grey



Silversmith



Alliance Grey



Glasshouse



Light Metallic Blue



Champagne



Temple Gold



Copper Penny

# piet vivid range

## Suitable for

wall applications only, designed for general purpose application in benign and light industrial environments the vivid range provides a vibrant palette of colours. With the use of SMP paint technologies the ideal product can be supplied to meet the demands of product performance and colour requirements.

## General

■ Stocked KS1000 AWP

## Lead Time

For non stocked Colours additional lead times may apply. Non Stocked Colours are subject to minimum order quantities / surcharges. Please contact Kingspan Customer Service for further advice.

## Colour Samples

Metal swatches for each range can be requested through Kingspan's Marketing Department to assist you in verifying colour and texture of the coating system before specification.

## Coating Information

Paint Technology	SMP
Substrate	AZ150
Primer	UV Resistant Corrosion Inhibitive Primer
Description	
Total Film Thickness (Top Coat)	Nominal: 25 microns
Gloss (Gardner 60)	25 - 80%

## Expected Performance

Scratch resistance	1800g (min)
Impact resistance	≥ 10 joules
Resistance to cracking on bending - adhesion	≥ 6T (max)
Salt spray testing –	
Corrosion Resistance	1000 hrs
Blister Density	≤ 2
Blister Size	≤ S3
Under Cut	≤ 2mm
Condensation / Humidity resistance	500 hrs
Blister Density	≤ 3
Blister Size	≤ S2
Temperature / Heat resistance	100° continuous 24 hrs ΔE Hunterlab ≤ 3 units
UV resistance	2000 hrs ΔE Hunterlab ≤ 8 units

## The Kingspan Guarantee

	The Vivid collection is covered for the following periods	
	<b>Inland</b>	<b>Marine*</b>
Walls	Up to 15 years	Up to 10 years
Roof	Not recommended**	Not recommended**

\* Marine area typically refers to buildings within 1km of any coast (Zone C, D, E, F as per AS/NZ2728, for specific information refer to this standard)

\*\* For areas showing "not recommended" please contact Kingspan for alternative coating options. Please note this table should be referred to as a guideline only. For further information and full Terms and Conditions contact Kingspan Technical Services.



Aztec Yellow



Tamworth Gold



Signal Red



Atlantis



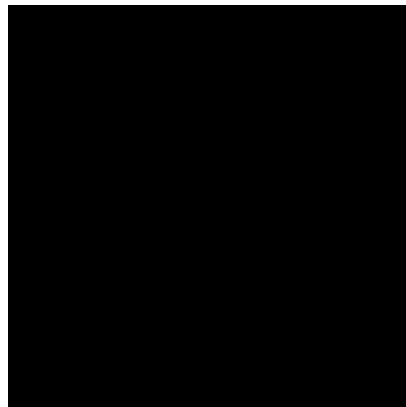
Billiard Ball Green



Pantina



Periwinkle



Charcoal

# more information

## Coatings Benefits

Kingspan Insulated Panels are proud to present The Kingspan Collection – the art of colour. The collection consists of a strong, bold and enticing palette of industry inspired colours, designed by architects for architects, which provides premium protection to the building envelope.

This new range combines European technology with locally sourced pre-painted steel. Collectively the key components deliver a product with a high level of UV protection, corrosion resistance and colour retention which is required to withstand the diverse Australasian climate.

The Kingspan Collection is designed in accordance with Kingspan's global sustainability visions and objectives, and as such contains products that are recyclable.

This new and exciting colour palette presents specifiers with a collection of shades from subtle pastels to vibrant primary colours. The wide variety of colours provide many design possibilities using either individual selections or by a combination of complimentary colours.

### Benefits

- Broad range of colours
- Utilisation of paint technologies to suit the application and the surrounding environment
- Flexibility to engineer a product to meet the specifications
- Excellent colour retention
- Excellent resistance to chalking and fading
- Enhanced corrosion resistance
- Recyclable

## Bespoke Colours

Kingspan can offer you the widest colour choice available on the market for insulated panels with short production lead times. Kingspan can match almost any colour working from either physical samples, commonly used references such as RAL or more unusual standards.

## The Kingspan Guarantee

The Kingspan Collections are covered under the Kingspan Guarantee. In addition to warranting the panel integrity, the Kingspan Guarantee also covers the coating - offering complete confidence and assurance to specifiers and building owners alike with one simple application process. Kingspan offer up to 15 years guarantee on the walls and up to 25 years on roofs for your complete peace of mind.

## Environmental

Sustainability is viewed by Kingspan as one of its core responsibilities. As part of its sustainability objectives, Kingspan is committed to considering sustainability during the design and manufacture, use, and disposal of Kingspan products.

### Manufacture

The Kingspan Collection is manufactured from pre-painted steel which is painted locally and is produced in accordance to AS/NZ 2728 and is governed by ISO-9001:2008 accreditation. The paint technologies used are formulated specifically to withstand the harsh Australasian climate, local manufacturing for the local market - Australian made.

### During use

Kingspan panels are guaranteed for up to 25 years with a life expectancy of 40 years.

### End of Life

The product is fully recyclable at the end of its useful life.

## Kingspan Insulated Panels

Kingspan panels are single component, factory pre-engineered systems that combine the aesthetic finish, insulation and prefinished internal liner in one product. With a 40 year thermal life expectancy the range of roof and wall panels are engineered for the building envelope with joint details designed specifically to ensure minimal air leakage and absolute weather tightness.

Complimentary to the broad palette of colours, Kingspan's insulated panels are available in a range of different profiles adding texture and depth to the building.

Kingspan's smart solution delivers form and function through design, construction and building occupation

### Design

- Comprehensive technical and design assistance, tried and tested details
- Pre-formed features allow for seamless integration
- Expressed and concealed joint options offer visual versatility
- Compliant with various building regulations without the need for added components (or reliance upon installation)

### Construction

- Greater spans reduce secondary steel requirement
- Single component allows for quick and easy installation reducing labour and site costs
- Reduced on site variables that can leave projects vulnerable to time and cost overrun

### Operational

- Thermal performance and weather tightness remains constant for the life on the building with no degradation over time
- Guaranteed lifetime thermal performance translates to reduced operational costs and reduced carbon footprint

All Kingspan panels are manufactured to order with varying core thicknesses depending on the spanning and thermal requirements of the project.

## Technical Support

Kingspan Technical Services offer technical advice and support throughout the design and construction process. From the provision of project specific details through to the creation of project specific specifications, Kingspan Technical Services can help to ensure that your building performs and complies with the building regulations.

## Field Service Support

Kingspan's Field Service Engineers offer free contractor training on the installation of new and existing products. They also offer a site inspection service throughout the construction stage and can offer advice on mechanical handling solutions.

## Customer Service

Kingspan's Customer service team can offer advice on lead times and minimum order quantities. The team are responsible for issuing quotes, co-ordinating the manufacture of your panel requirements with the production team, scheduling delivery and keeping you updated with the progress of your order.

## Marketing Services

For the organisation of metal swatch samples or panel samples please contact Marketing Services.

**For Technical and Field Service, Customer Services or Marketing Department , please contact**

### Australia

Tel: +61 (02) 8889 3000  
info@kingspanpanels.com.au

### New Zealand

Tel: +64 (03) 358 7536  
info@kingspanpanels.co.nz

### Singapore

Tel: +65 6733 7687  
info@kingspanpanels.asia

For further details and updates regarding the new Kingspan colour collections refer to [www.kingspancolours.com.au](http://www.kingspancolours.com.au) or [www.kingspancolours.co.nz](http://www.kingspancolours.co.nz)

The Kingspan Collection is produced from

**ColorGUARD** steel.  
Tougher in Any Colour

COLORGUARD® is registered trademark of

**onesteel** Pty Ltd.  
•••••

The colours represented in this colour selector have been reproduced to represent actual product colours as accurately as is possible within the limitations of the four colour printing process.

# Australia

**Kingspan Insulated Panels Pty Ltd**

38-52 Dunheved Circuit, St Marys, NSW 2760 Australia

Tel +61 (02) 8889 3000

Fax +61 (02) 8889 3099

Email [info@kingspanpanels.com.au](mailto:info@kingspanpanels.com.au)

Web [www.kingspanpanels.com.au](http://www.kingspanpanels.com.au)

# New Zealand

**Kingspan Ltd**

15 Ron Guthrey Road Christchurch, New Zealand

Tel +64 (03) 358 7536

Fax +64 (03) 358 7539

Email [info@kingspanpanels.co.nz](mailto:info@kingspanpanels.co.nz)

web [www.kingspanpanels.co.nz](http://www.kingspanpanels.co.nz)

# Singapore

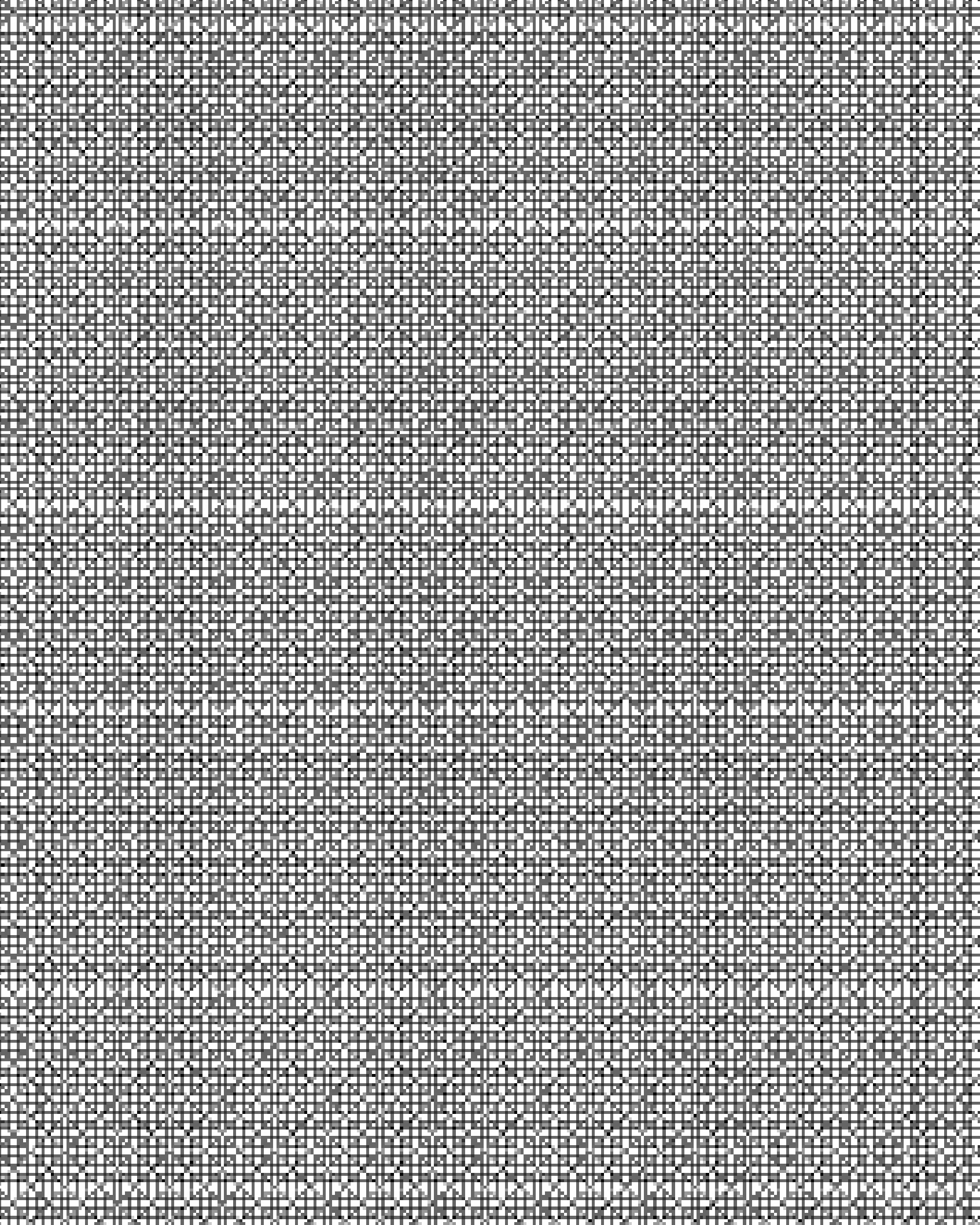
**Kingspan PTE Limited**

Ireland House, 541 Orchard Road #08-00, Liat Towers, Singapore 238881

Tel +65 6733 7687

Email [info@kingspanpanels.asia](mailto:info@kingspanpanels.asia)

Web [www.kingspanpanels.asia](http://www.kingspanpanels.asia)





**Australia**

**Kingspan Insulated Panels Pty Ltd**

38-52 Dunheved Circuit, St Marys,

NSW 2760 Australia

Tel +61 (02) 8889 3000

Fax +61 (02) 8889 3099

Email [info@kingspanpanels.com.au](mailto:info@kingspanpanels.com.au)

Web [www.kingspanpanels.com.au](http://www.kingspanpanels.com.au)

**New Zealand**

**Kingspan Ltd**

15 Ron Guthrey Road Christchurch, New Zealand

Tel +64 (03) 358 7536

Fax +64 (03) 358 7539

Email [info@kingspanpanels.co.nz](mailto:info@kingspanpanels.co.nz)

web [www.kingspanpanels.co.nz](http://www.kingspanpanels.co.nz)

**Singapore**

**Kingspan PTE Limited**

Ireland House, 541 Orchard Road #08-00,

Liat Towers, Singapore 238881

Tel +65 6733 7687

Email [info@kingspanpanels.asia](mailto:info@kingspanpanels.asia)

Web [www.kingspanpanels.asia](http://www.kingspanpanels.asia)