

# Colour & Coatings

External Colour & Coating Ranges





XL Forté  
Sunflower Yellow\*  
BS 10E55

XL Forté  
Saffron Yellow\*  
BS 08E53

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# Kingspan Colour & Coatings

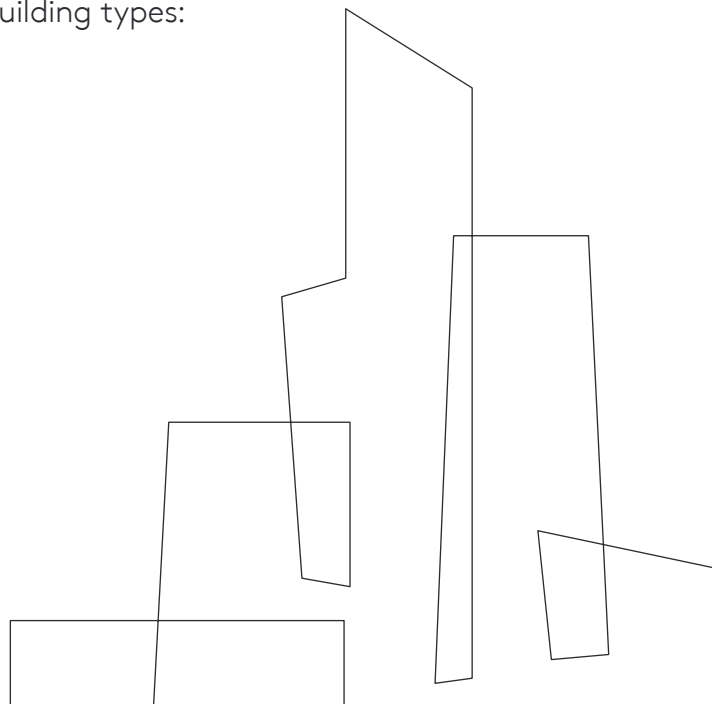
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Kingspan provides a large selection of external finishes and colours for its Standing Seam System, Insulated Roof & Wall Panels and Fabrications, Safety & Lighting Solutions, allowing building owners' and architects the ultimate flexibility in designing their building.

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With a wide variety of finishes including metallic, matt and solid, Kingspan's offer is suitable for the following building types:

- Community & Amenity
- Education
- Health
- Hotels & Leisure
- Industrial
- Infrastructure
- Offices
- Private Housing
- Retail
- Social Housing
- Utilities



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# Kingspan Coatings

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Kingspan offers the following range of coating systems suitable for external applications:

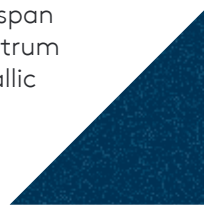
Kingspan  
XL Forté



Kingspan  
Spectrum



Kingspan  
Spectrum  
Metallic



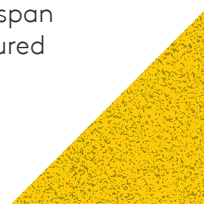
Kingspan  
Destral



Kingspan  
Altaris\*



Kingspan  
Textured




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Kingspan coating systems offer many important advantages over those provided by any other coatings on the market:

## Excellent corrosion resistance

Kingspan coatings are best in class for corrosion resistance. They use innovative metal alloy substrates, which provide maximum resistance to corrosion on scratches and on cut edges.

## Advanced colour stability and UV resistance

Kingspan coloured coatings use state-of-the-art technology with improved UV resistance that provides better gloss retention and weather resistance.

## Environmentally safe

Our coloured coating systems have been designed in accordance with Kingspan's sustainable development policy. They are phthalate-free, contain no heavy metals and are fully recyclable. Phthalate-free chemistry contributes to maintaining a safe and healthy environment.

## Maintenance-free, saving time, trouble and cost

Kingspan coatings do not require any special maintenance regime and their performance will not deteriorate during their lifetime.



# Extra reassurance where you need it

Corrosion



Chemical



UV



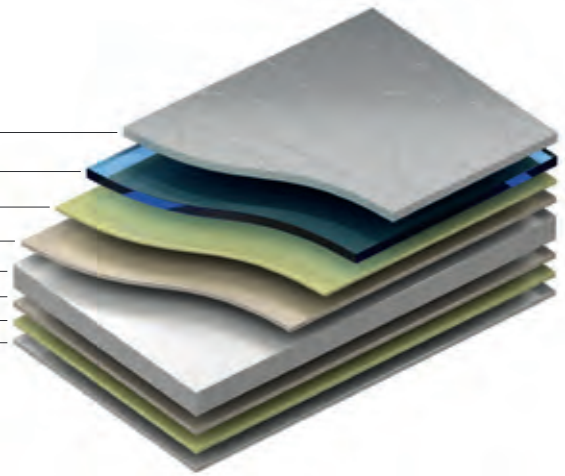
Condensation



# External Applications

Few materials are as colourful and durable as Kingspan XL Forté, a world class protective coating, that is available in a range of colours and provides a barrier against the elements when used in architectural roof and wall applications.

Embossed PVC coating  
Primer  
Pre-treatment  
Metallic protection  
Metal substrate  
Metallic protection  
Pre-treatment  
Back coat



## Technical Properties

Kingspan XL Forté			
Nominal thickness	200 µm	Condensation resistance (QCT test)	1500 hours
Gloss (Gardner 60 °C)	15-45 GU	Temperature resistance	Maximum 75 °C
Appearance	Embossed leathergrain	UV resistance (QUV-A test 2000 hours):	
Adhesion of the coating (T-bend)	≤ 0,5 T	Colour change	ΔE ≤ 2
Scratch resistance (Clemen)	≥ 4,5 kg	Gloss retention	≥ 80%
Abrasion resistance (Taber)	≤ 30 mg	Category (EN 10169-1/2)	RUV4
Impact resistance	18 J	Resistance to acids and bases	Good to very good
Surface pencil hardness	4 – 6B	Resistance to solvents:	
Resistance to cracking on bending (T-bend)	≤ 1,5 T	Aliphatics and alcohols	Very good
Corrosion resistance:		Ketones	Low
Salt spray test	1000 hours	Aromatics	Good to very good
Category	RC5	Resistance to mineral oils	Very good
		Fire classification (EN 13501-1)	Cs2,d0

## Coating Warranty Periods

	Inland Roof	Inland Wall	Coastal Roof**	Coastal Wall**
Kingspan XL Forté	40 years	40 years	30 years	30 years
Kingspan XL Forté*	30 years	40 years	25 years	30 years

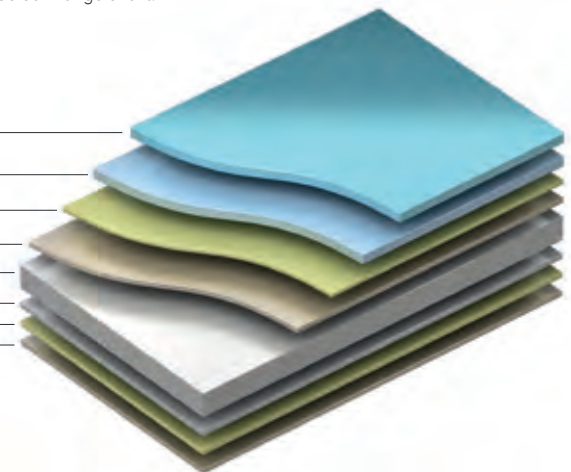
\* Please note the reduction in the roof warranty that is applicable to specific colours within this range.

\*\* Coastal refers to buildings within 1 km of the coast.

For more information on colours please refer to the Kingspan Insulated Roof & Wall Panels Colour Range chart.

Kingspan Spectrum is a proven coating that delivers aesthetic brilliance and guaranteed performance in a variety of applications. Kingspan Spectrum provides a robust barrier against the elements when used on façades or in architectural roof and wall systems.

PU coating  
Primer  
Pre-treatment  
Metallic protection  
Metal substrate  
Metallic protection  
Pre-treatment  
Back coat



## Coating Warranty Periods

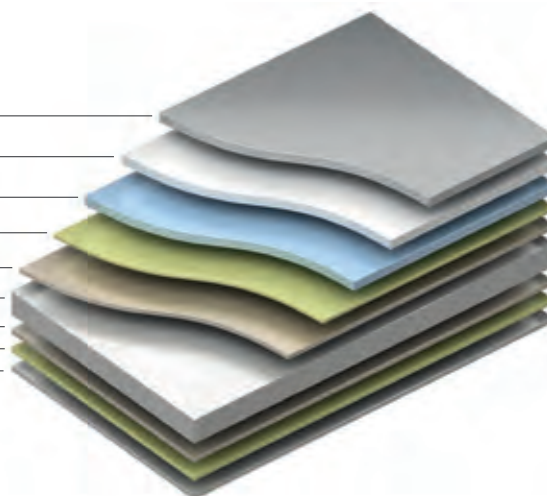
	Inland Roof	Inland Wall	Coastal Roof*	Coastal Wall*
Kingspan Spectrum Solid	30 years	30 years	25 years	25 years
Kingspan Spectrum Metallic	30 years	30 years	25 years	25 years

\* Coastal refers to buildings within 1km of the coast.

For more information on colours please refer to the Kingspan Insulated Roof & Wall Panels Colour Range chart.

Kingspan Altaris is the finest-looking exterior coating in our range, featuring colour purity, strength, resistance and stability. It provides unparalleled protection against environmental weathering and is perfectly suited for high-end applications. It is available in a wide range of highly polished and two-tone colours.

Top coat  
Base coat  
Primer  
Pre-treatment  
Metallic protection  
Metal substrate  
Metallic protection  
Pre-treatment  
Back coat



### Coating Warranty Periods

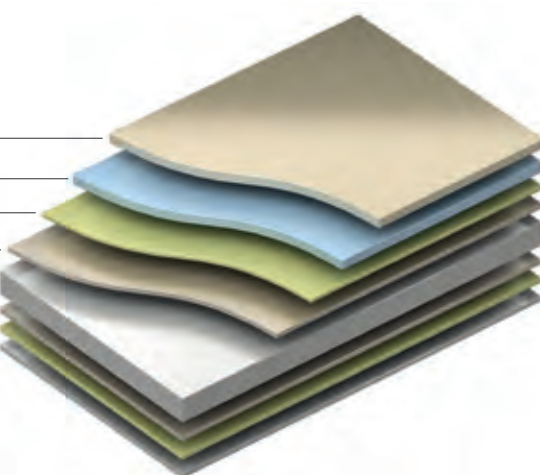
	Inland Roof	Inland Wall	Coastal Roof*	Coastal Wall*
Kingspan Altaris 2L	N/A	30 years	N/A	n.v.t
Kingspan Altaris 3L	N/A	40 years	N/A	20 years
Kingspan Altaris 4L	N/A	40 years	N/A	20 years

\* Coastal refers to buildings within 1km of the coast.

For more information on colours please refer to the Kingspan Insulated Roof & Wall Panels Colour Range chart.

Kingspan Destral is a versatile organic polyester coating proven to satisfy the universal requirements for solidity, flexibility, durability, and cost-effectiveness.

Top coat  
Primer  
Pre-treatment  
Metallic protection  
Metal substrate  
Metallic protection  
Pre-treatment  
Back coat



### Technical Properties

Kingspan Destral			
Nominal thickness	40 µm	Condensation resistance (QCT test)	1500 hours
Gloss (Gardner 60 °C)	< 5 GU	Temperature resistance	Maximum 90 °C
Appearance	Grained	UV resistance (QUV-A test 2000 hours):	
Adhesion of the coating (T-bend)	≤ 1 T	Colour change	ΔE ≤ 3
Impact resistance	18 J	Gloss retention	≥ 60%
Surface pencil hardness	HB to H	Category (EN 10169-1/2)	RUV3
Resistance to cracking on bending (T-bend)	≤ 2 T	Resistance to acids and bases	Good
Corrosion resistance:		Resistance to solvents:	
Salt spray test	500 hours	Aliphatics and alcohols	Very good
Category	RC4	Ketones	Low
		Aromatics	Good to very good



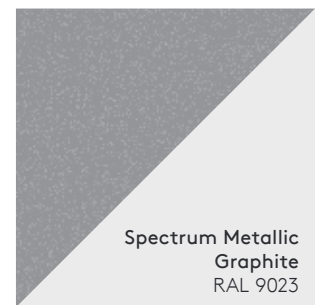
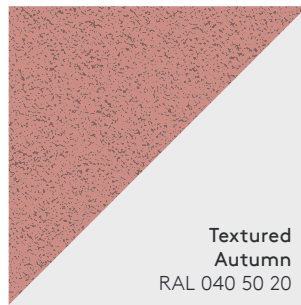
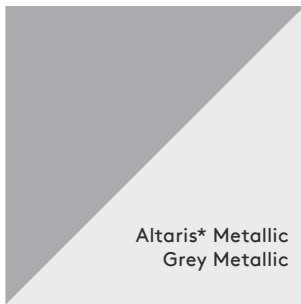


XL Forté  
Merlin Grey  
RAL 180 40 05 BS 18B25

Spectrum Solid  
Traffic Red  
RAL 3020



Kingspan's range of coating systems suitable for external applications.



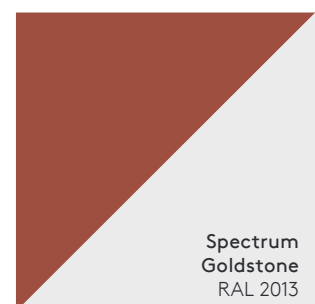
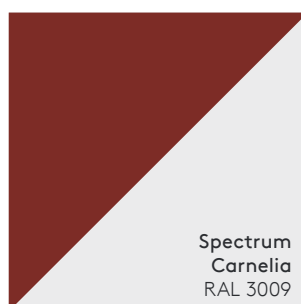
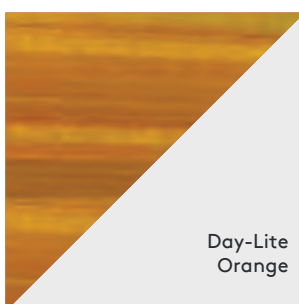
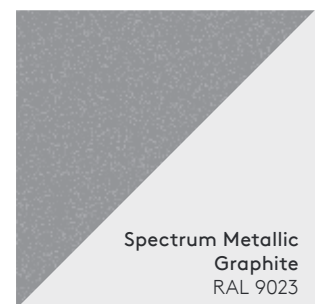
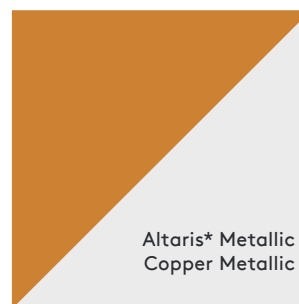
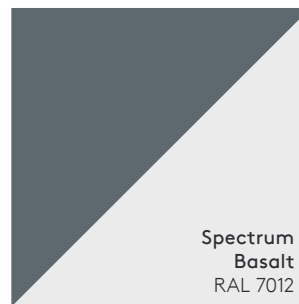
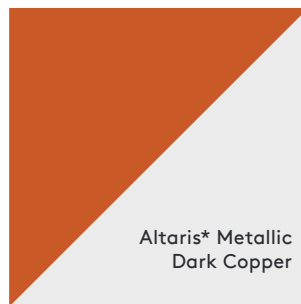
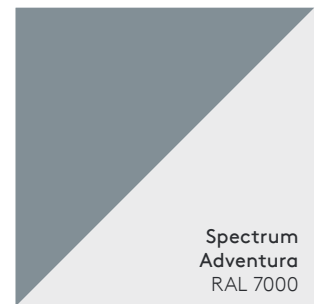
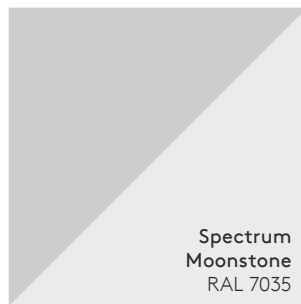
\*Please speak to your Kingspan Area Sales Manager about Minimum Order Quantities.



Spectrum Metallic  
Obsidian  
RAL 9007

Altaris\* Solid  
Ferrari Red

Kingspan's range of coating systems suitable for external applications.



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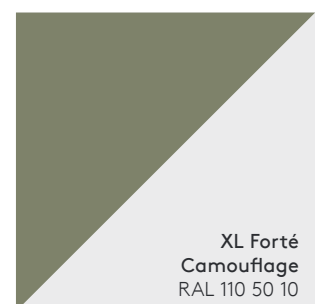
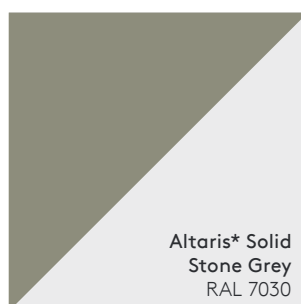
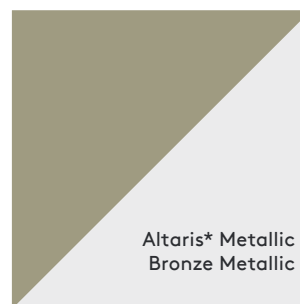
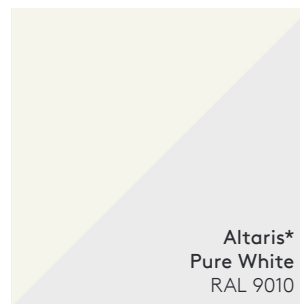
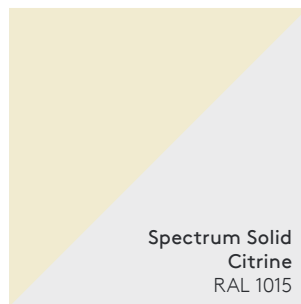
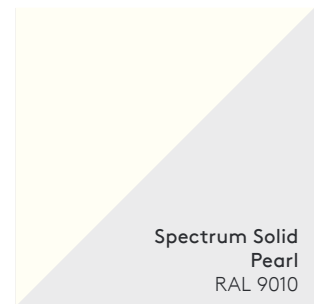




XL Forté  
White  
RAL 9003 BS 00E55

XL Forté  
Jade  
BS 14C37

Kingspan's range of coating systems suitable for external applications.



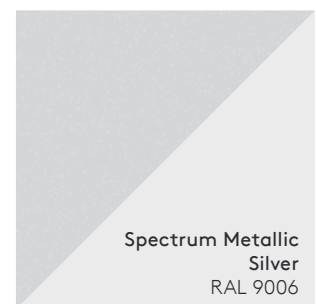
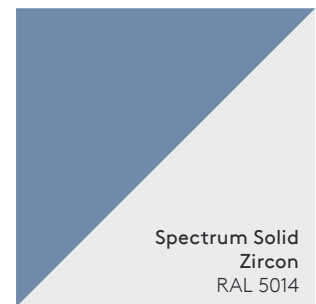
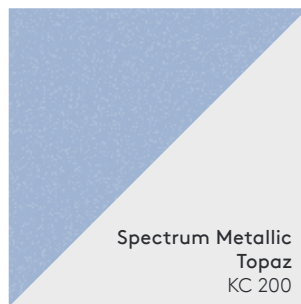
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Kingspan's range of coating systems suitable for external applications.



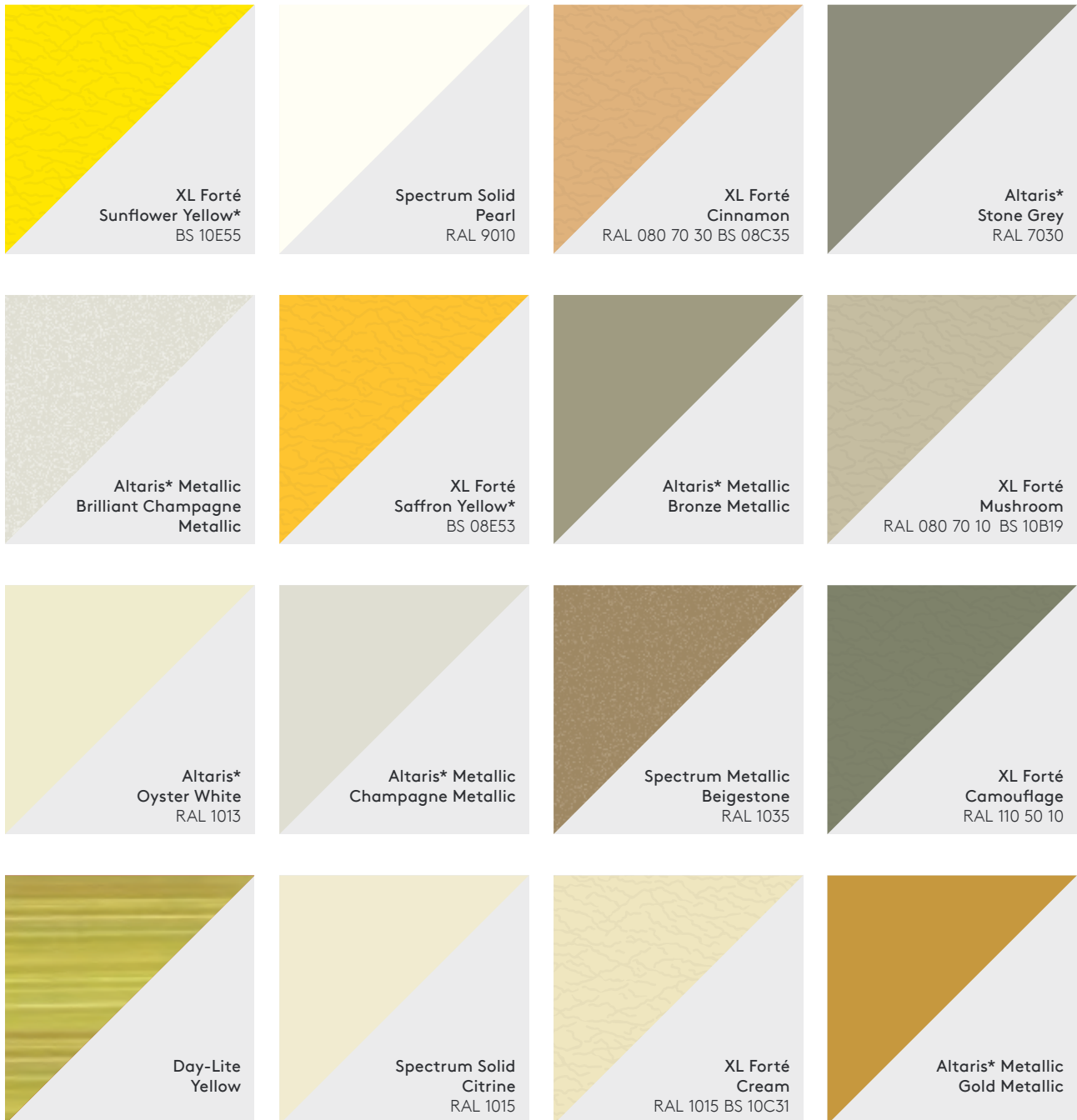
\*Please speak to your Kingspan Area Sales Manager about Minimum Order Quantities.



Altaris\* Metallic  
Gold Metallic

Altaris\* Metallic  
Silver Metallic

Kingspan's range of coating systems suitable for external applications.



\*Please speak to your Kingspan Area Sales Manager about Minimum Order Quantities.



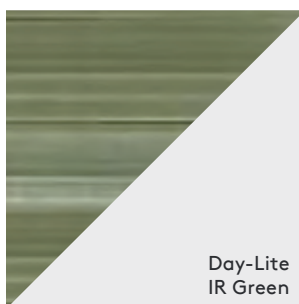
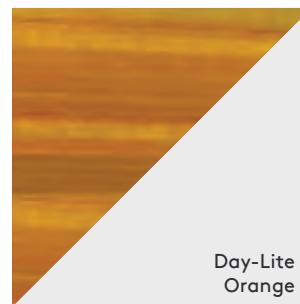
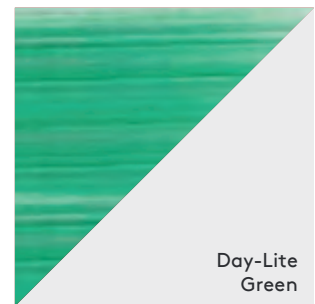


Day-Lite  
Yellow







Day-Lite  
Orange

Kingspan's range of colourful translucent multi-wall polycarbonate for roof and wall applications, with UV protected layers that allow high levels of natural light to pass through.



# Kingspan XL Forté

A range of world class protective PVC coatings with a leathergrain effect that is available in inspiring colours and provides a barrier against the elements.

							
<b>White</b> RAL 9003 BS 00E55	<b>Grey White</b> RAL 9002	<b>Sunflower Yellow*</b> BS 10E55	<b>Saffron Yellow*</b> BS 08E53	<b>Cinnamon</b> RAL 080 70 30 BS 08C35	<b>Cream</b> RAL 1015 BS 10C31	<b>Mushroom</b> RAL 080 70 10 BS 10B19	<b>Camouflage</b> RAL 110 50 10
							
<b>Willow Green</b> RAL 100 80 20 BS 12B17	<b>Khaki Green</b> RAL 100 60 20 BS 12B21	<b>Jade*</b> BS 14C37	<b>Leaf Green*</b> RAL 6002	<b>Bottle Green</b> RAL 6007	<b>Olive Green</b> RAL 100 30 20 BS 12B27	<b>Holly Bush</b> BS 14C39	<b>Juniper Green*</b> RAL 160 20 10 BS 12B29
							
<b>Gull Grey</b> RAL 240 80 05 BS 18B17	<b>Goosewing Grey</b> RAL 080 70 05 BS 10A05	<b>Quartz Grey</b> RAL 080 50 20 BS 10B23	<b>Merlin Grey</b> RAL 180 40 05 BS 18B25	<b>Pure Grey</b> RAL 000 55 00	<b>Anthracite</b> RAL 7016	<b>Umber Grey</b> RAL 7022	<b>Pastel Blue</b> RAL 240 80 10
							
<b>Powder Blue</b> RAL 210 80 10	<b>Denim</b> RAL 5014	<b>Wedgewood Blue</b> RAL 220 50 15 BS 18C37	<b>Cornflower Blue*</b> BS 18E53	<b>Azure Blue*</b> RAL 220 30 25 BS 18C39	<b>Sapphire Blue*</b> RAL 5003	<b>Midnight</b> RAL 5008	<b>Slate Blue*</b> BS 18B29
							
<b>Flame Red*</b> BS 04E53	<b>Russet Red*</b> RAL 3013 BS 04D44	<b>Shiraz*</b> RAL 3004	<b>Copper Beech*</b> RAL 040 40 40 BS 04C39	<b>Red Brown*</b> RAL 8012	<b>Van Dyke Brown*</b> RAL 8014 BS 08B29	<b>Black</b> RAL 9005 BS 00E53	

For stock levels, minimum order quantities and/or lead times, contact the Kingspan Quotations Department.

The printed colours are as accurate as possible but are for guidance purposes only. British Standard (BS) or RAL reference numbers represent the nearest colours and are not exact matches to our Kingspan coatings. Please ensure that you request a swatch sample from the Kingspan Marketing Department to view accurate colour and texture prior to specification.

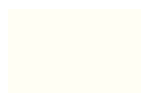
\* Please note the warranty periods for these colours are as for XL Forté\* – see warranty table on page 25.



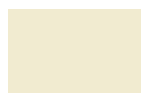
# Kingspan Spectrum

A range of proven smooth polyurethane coatings that delivers aesthetic brilliance and guaranteed performance in a variety of applications.

## Kingspan Spectrum Solid



Pearl  
RAL 9010



Citrine  
RAL 1015



Greenrock  
RAL 6003



Moonstone  
RAL 7035



Adventura  
RAL 7000



Umber Grey  
RAL 7022



Charcoal  
RAL 7024



Basalt  
RAL 7012



Onyx  
RAL 7016



Zircon  
RAL 5014



Kyanite  
RAL 5010



Lazuli  
RAL 5002



Iolite  
RAL 5011



Citroën Red  
RAL 3000



Traffic Red  
RAL 3020



Red Orange  
RAL 2001



Goldstone  
RAL 2013



Carnelia  
RAL 3009



Black Grey  
RAL 7021



Jet  
RAL 9005

## Kingspan Spectrum Metallic



Beigestone  
RAL 1035



Silver  
RAL 9006



Obsidian  
RAL 9007



Graphite  
RAL 9023



Greyrock  
KC 100



Topaz  
KC 200



Opal  
KC 400

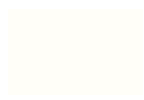
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# Kingspan Altaris

Technically advanced PVDF multi-layer (up to 4 layers of paint) coatings featuring colour purity, strength, resistance and stability. This range provides unparalleled protection against environmental weathering and is available with a high gloss finish.

## Kingspan Altaris Solid



Traffic White  
RAL 9016



Pure White  
RAL 9010



Oyster White  
RAL 1013



Stone Grey  
RAL 7030



Anthracite  
Grey  
RAL 7016



Ferrari Red



Jet Black  
RAL 9005

## Kingspan Altaris Metallic



Gold Metallic



Bronze  
Metallic



Brilliant  
Champagne  
Metallic



Champagne  
Metallic



Brilliant Silver  
Metallic



Sparkling  
Silver



Silver Metallic



Grey Metallic



Dark Grey  
Metallic



Dark  
Anthracite  
Metallic



Blue Metallic



Copper  
Metallic



Dark Copper  
Metallic



Shark Black



White Green  
35



White Blue  
35



White Gold  
35



Bronze Gold  
35



Gold Silver  
35



Gold Grey  
35



Gold Olive  
35



Copper  
Orange Gold  
35



Purple Green  
35



Beige Grey  
Purple  
35



Purple Red  
35



Purple Grey  
35



Blue Green  
Gold  
35



Azurite Blue  
Green  
35



Samurai  
Stainless  
35



Cosmonauts  
Titanium  
35



Aerospace  
Titanium  
35



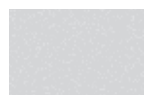
Glamorous  
Gold  
35



Canyon  
Copper  
35



Galactic  
Diamond  
35



Sterling Silver  
35

For stock levels, minimum order quantities and/or lead times, contact the Kingspan Quotations Department.

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# Kingspan Textured

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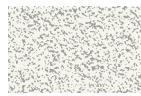
A range of elastomeric acrylic rendered effect coatings that provides a protective weathering membrane which is extremely durable, fade and mildew resistant.



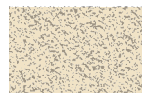
**Signal White**  
RAL 9003



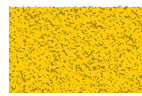
**Magnolia**  
BS 08B15



**Pearl**  
RAL 9010



**Cream**  
RAL 1015  
BS 10C31



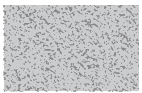
**Sunflower Yellow**  
BS 10E55



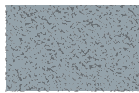
**Mushroom**  
RAL 080 70 10  
BS 10B19



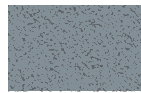
**Mustard**  
RAL 1001



**Moonstone**  
RAL 7035



**Silver Grey**  
RAL 7001



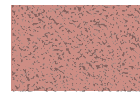
**Adventura**  
RAL 7000



**Merlin Grey**  
RAL 180 40 05  
BS 18B25



**Sky Blue**  
RAL 5015



**Autumn**  
RAL 040 50 20



**Strawberry Red**  
RAL 3018

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# Kingspan Destrál

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Matt polyester organic coatings that are ideal for the Kingspan Roof Tile System.



**Terracotta**  
RAL 8004



**Jet Black**  
RAL 9005

For stock levels, minimum order quantities and/or lead times, contact the Kingspan Quotations Department.

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# Kingspan Day-Lite

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A range of colourful translucent multi-wall polycarbonate for roof and wall applications, with UV protected layers that allow high levels of natural light to pass through.



Clear



Opal White



Blue



Green



Purple

## Infra-Red (IR) Absorbing Lights

These two colours absorb greater levels of infra-red light which reduces solar gain.

This can allow for greater control of ambient temperature within the building providing a possible reduction in HVAC usage.



Red



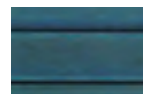
Orange



Yellow



IR Green



IR Blue

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# Membranes

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High performance polyvinyl chloride (PVC) and thermoplastic elastomer (TPE) single-ply membranes specifically designed for roof applications and fabrications.



IKO  
Armourplan  
Light Grey PVC  
RAL 7047



IKO  
Armourplan  
Mid Grey PVC  
RAL 7046



Sika-Trocal  
Grey PVC  
RAL 7047



Sika-Trocal  
Slate PVC  
RAL 7015

# Kingspan Guarantees

In recognition of the many different demands that are placed on construction professionals today, Kingspan Insulated Panels offers comprehensive warranties on not just one aspect of its products, but all of the key performance areas.

Kingspan Warranties provide market-leading protection that covers the coating, durability, structural, fire and thermal performance of a product in a single, unique package.

Kingspan Insulated Panels sources its colour coated metal from several world class coatings suppliers and the Warranty includes a coatings protection against corrosion, chemical attack, ultra-violet radiation, humidity and abrasion for up to 40 years (in nominated geographic zones), so the building owner can be sure that the building will continue to look good year on year. The thermal efficiency and structural performance of the panels are warranted for periods of up to 40 years.

Please note that the installation of Kingspan Energy's Roof Mounted PV System will not affect the Kingspan Warranty and that Kingspan Insulated Panels will stand by the full warranty presented below.

The below table refers to warranty periods for the United Kingdom:

	Inland Roof	Inland Wall	Coastal Roof**	Coastal Wall**
Kingspan XL Forté	40 years	40 years	30 years	30 years
Kingspan XL Forté*	30 years	40 years	25 years	30 years
Kingspan Spectrum Solid	30 years	30 years	25 years	25 years
Kingspan Spectrum Metallic	30 years	30 years	25 years	25 years
Kingspan Altaris (ALL) 2L	N/A	30 years	N/A	N/A
Kingspan Altaris (ALL) 3L	N/A	40 years	N/A	20 years
Kingspan Altaris (ALL) 4L	N/A	40 years	N/A	20 years
Kingspan Textured	N/A	25 years***	N/A	25 years***
Kingspan Destral	15 years	N/A	10 years	N/A
Kingspan Day-Lite†	25 years	25 years	25 years	25 years
Membranes	A 15 year warranty is available as standard. For warranties in excess of 15 years, please contact Kingspan Technical Services.			

For warranty periods for Ireland, please contact our Technical Services Department on +353 (0) 42 96 98529.

\* Please note the reduction in the roof warranty that is applicable to specific colours within this range.

\*\* Coastal refers to buildings within 1 km of the coast.

\*\*\* Coating will require repainting every ten years in order to comply with warranty.

† Project specific and can vary. Please contact us for further information.

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# Sustainability

## Commitment to Sustainability

With a number of significant advancements in the European climate change and energy performance agenda over the past 12 months, it has never been more important for businesses to recognise and take responsibility for their impact on the environment. Kingspan Insulated Panels has been leading the way with its dedication to sustainable business practice.

Our UK manufacturing operations have now achieved Net-Zero Energy status and are certified 'Very Good' under BES 6001: Responsible Sourcing of Construction Products. Our panel products are manufactured with a HCFC, CFC more in our Sustainability report available online.

Kingspan has developed third party verified EN 15804: 2012 environmental product declarations (EPD's) for QuadCore™ insulated panel systems. EPD's provide technical and quantified environmental information across a product's lifespan. Kingspan Insulated Panels Environmental Product Declarations (EPDs) are available on our website.







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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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