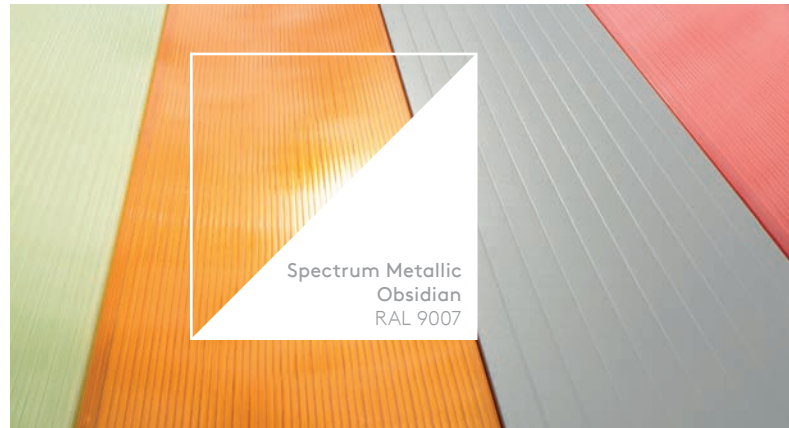
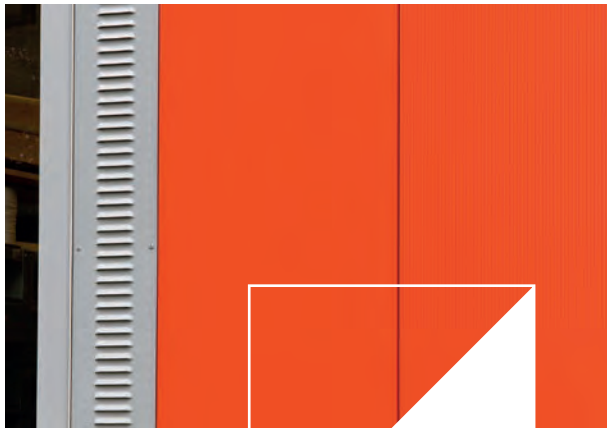


Colours & Coatings

External Colour & Coating Ranges





XL Forté
Saffron Yellow*
BS 08E53

XL Forté
Sunflower Yellow*
BS 10E55

Kingspan Colour & Coatings

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.

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



Kingspan Coatings

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



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.

*Please speak to your Kingspan Area Sales Manager about minimum order quantities.

Extra reassurance where you need it

Corrosion



Chemical



UV

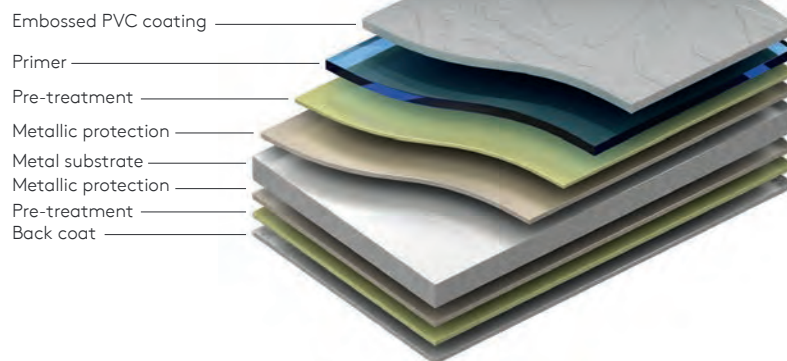


Condensation



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.



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):	$\Delta E \leq 2$ $\geq 80\%$ RUV4
Adhesion of the coating (T-bend)	$\leq 0,5$ T	Colour change	
Scratch resistance (Clemen)	$\geq 4,5$ kg	Gloss retention	
Abrasion resistance (Taber)	≤ 30 mg	Category (EN 10169-1/2)	
Impact resistance	18 J	Resistance to acids and bases	Good to very good
Surface pencil hardness	4 - 6B	Resistance to solvents:	Very good Low Good to very good
Resistance to cracking on bending (T-bend)	$\leq 1,5$ T	Aliphatics and alcohols	
Corrosion resistance:		Ketones	
Salt spray test	1000 hours	Aromatics	
Category	RC5	Resistance to mineral oils	Very good
		Fire classification (EN 13501-1)	Cs2,d0

Coating Warranty Periods

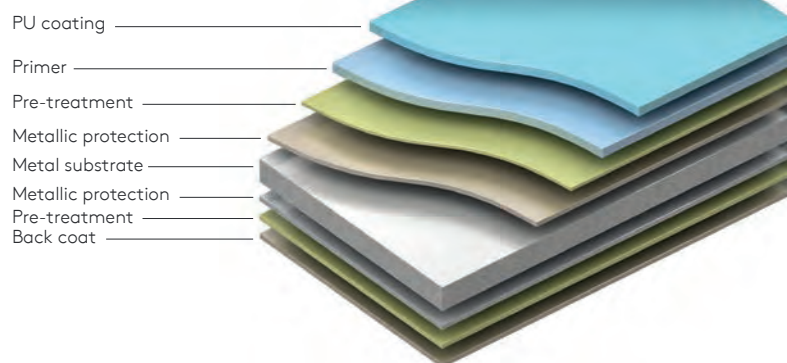
	Inland Roof	Inland Wall	Coastal Roof**	Coastal Wall**
Kingspan XL Forté	40 years	40 years	30 years	30 years
Kingspan XL Forté*	30 years	40 years	25 years	30 years

* 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.



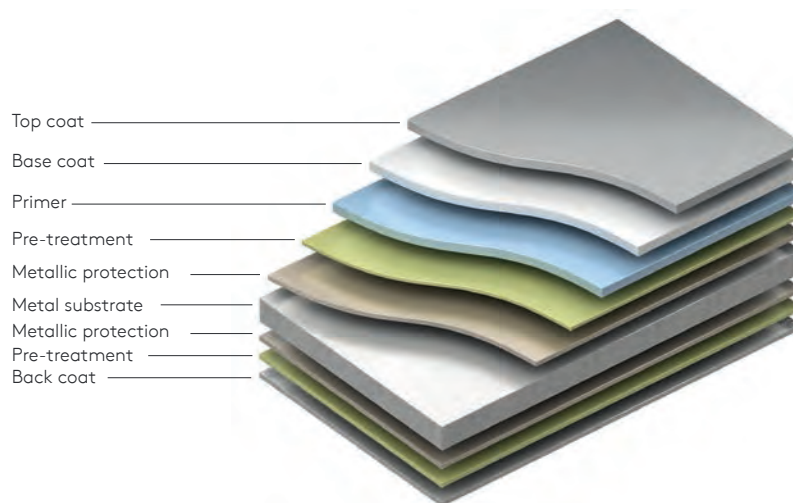
Coating Warranty Periods

	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.



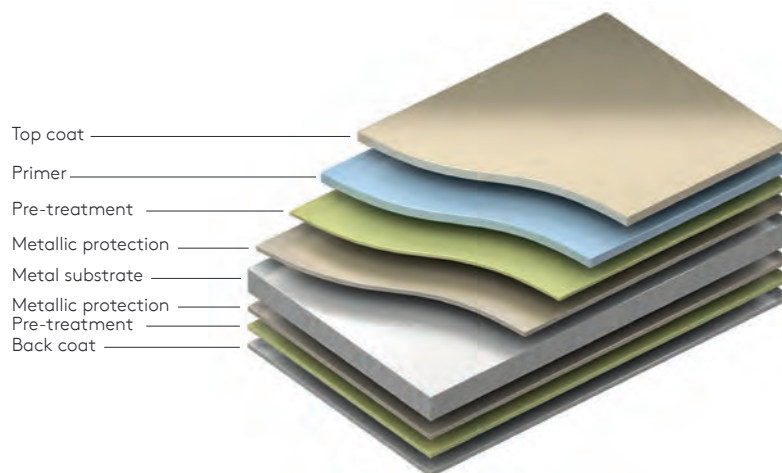
Coating Warranty Periods

	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.



Technical Properties

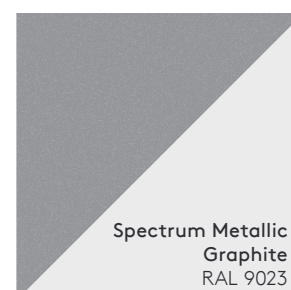
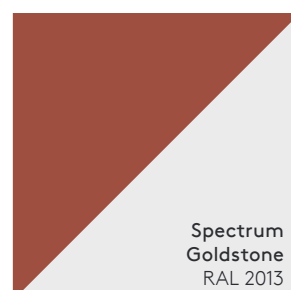
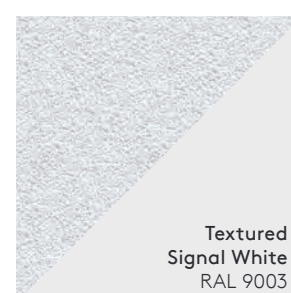
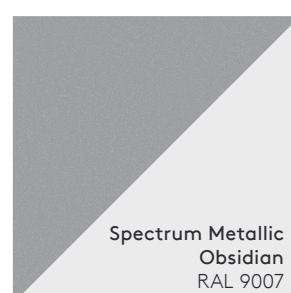
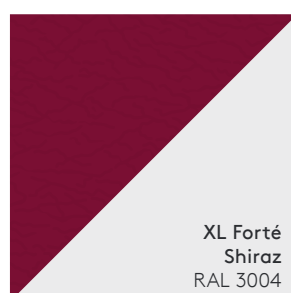
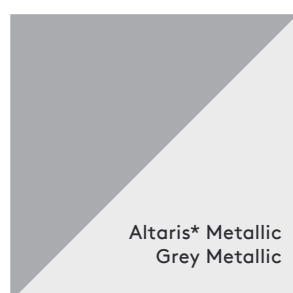
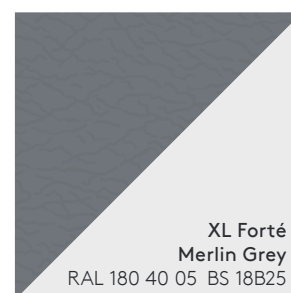
Kingspan Destral			
Nominal thickness	40 µm	Condensation resistance (QCT test)	1500 hours
Gloss (Gardner 60 °C)	< 5 GU	Temperature resistance	Maximum 90 °C
Appearance	Grained	UV resistance (QUV-A test 2000 hours):	ΔE ≤ 3 ≥ 60% RUV3
Adhesion of the coating (T-bend)	≤ 1 T	Colour change	
Impact resistance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



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

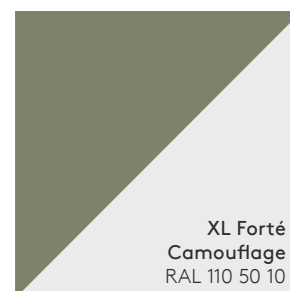
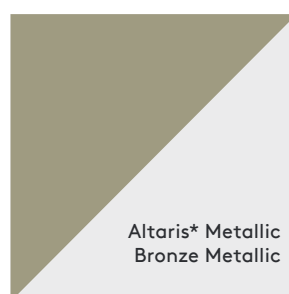
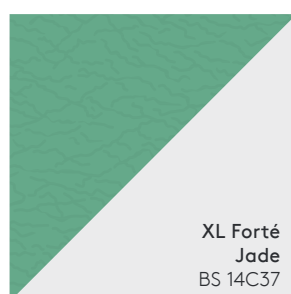
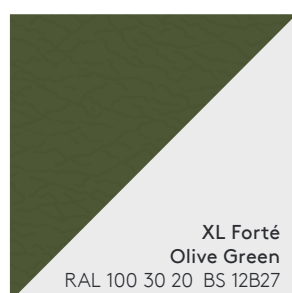
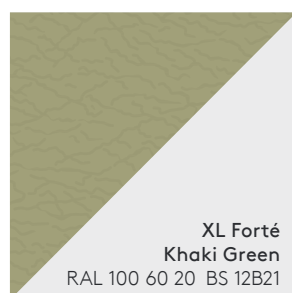
Kingspan's range of coating systems suitable for external applications.



*Please speak to your Kingspan Area Sales Manager about minimum order quantities.



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

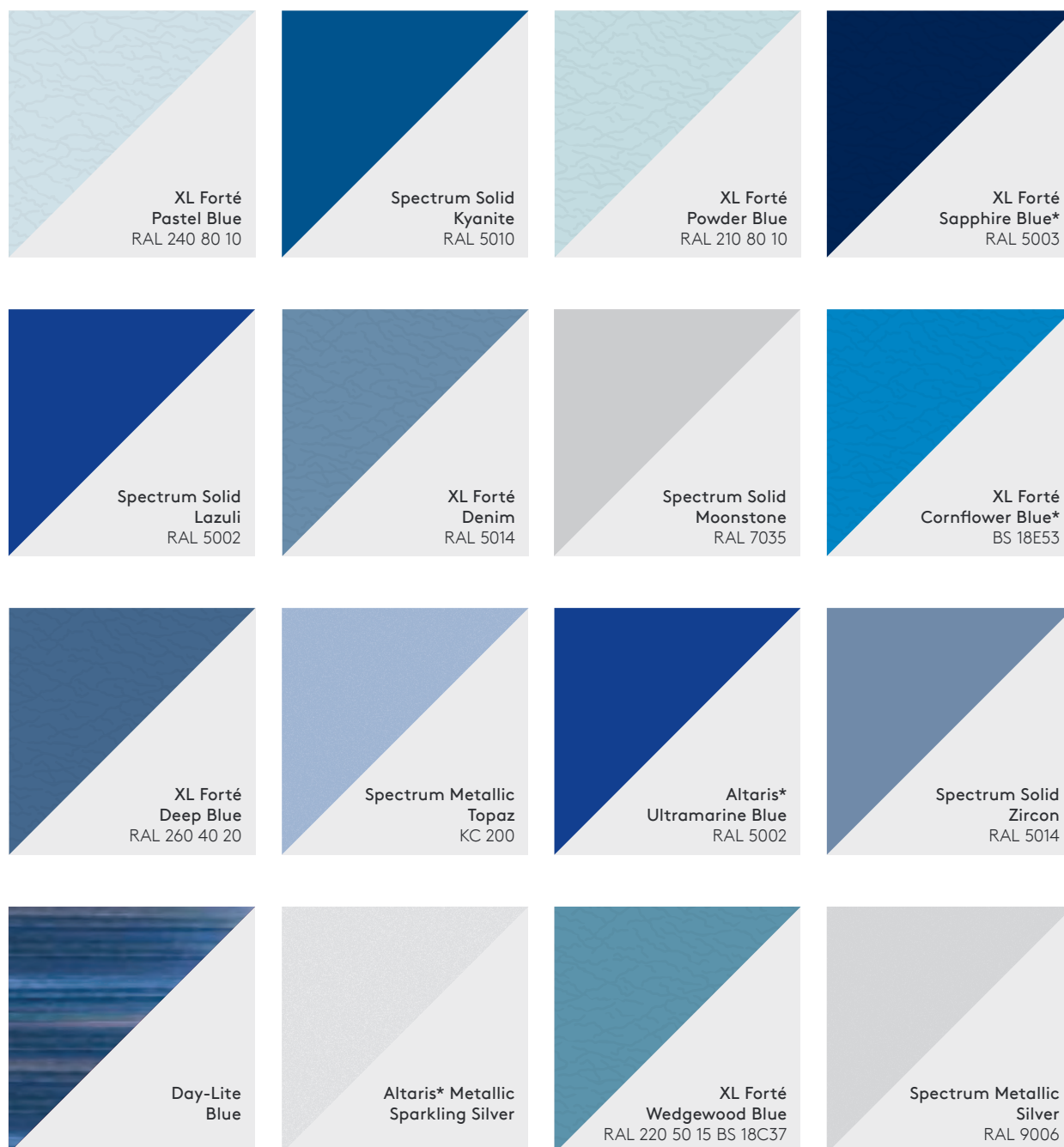


*Please speak to your Kingspan Area Sales Manager about minimum order quantities.

Spectrum Solid
Zircon
RAL 5014

Spectrum Metallic
Topaz
KC 200

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



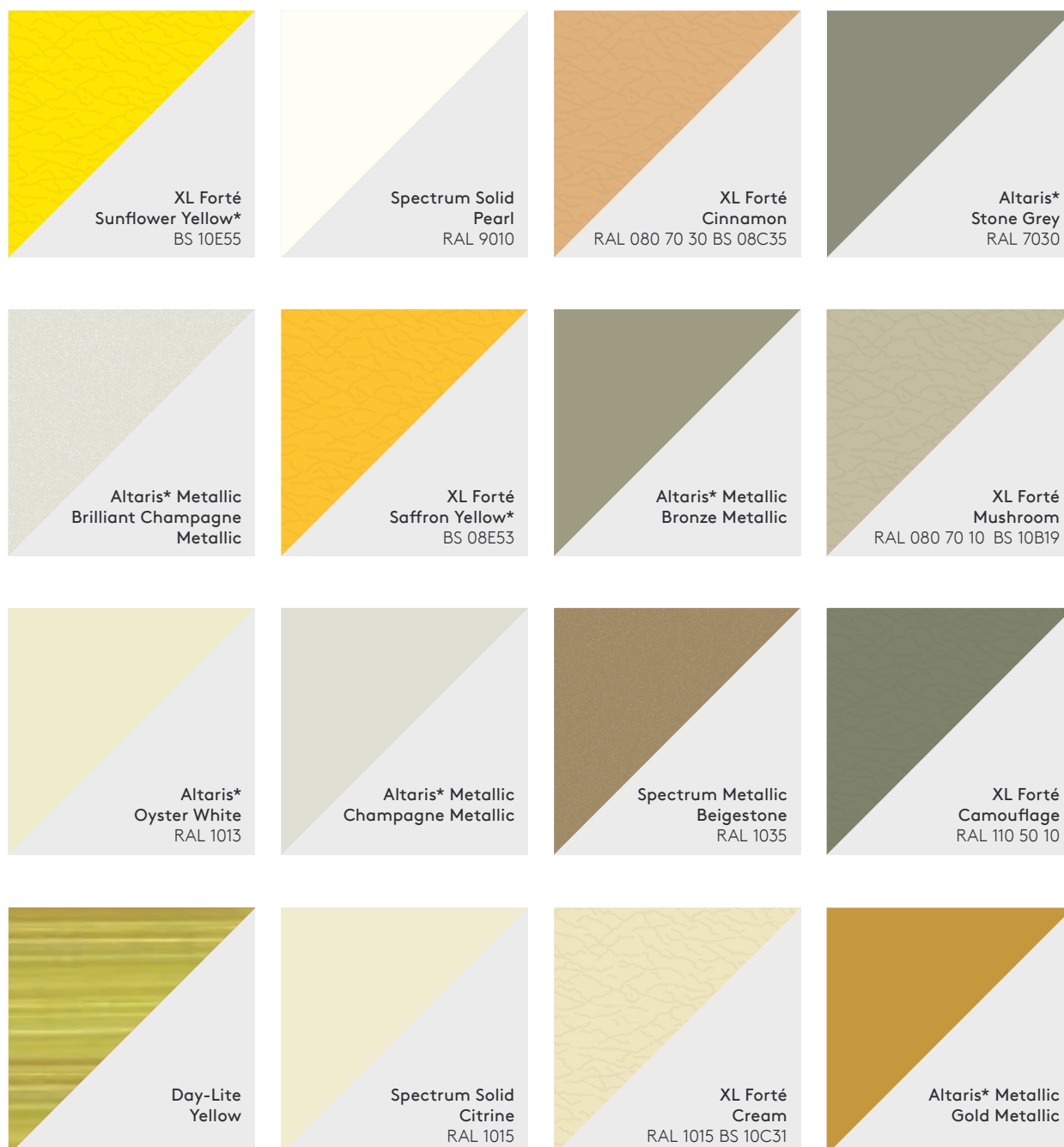
*Please speak to your Kingspan Area Sales Manager about minimum order quantities.



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.

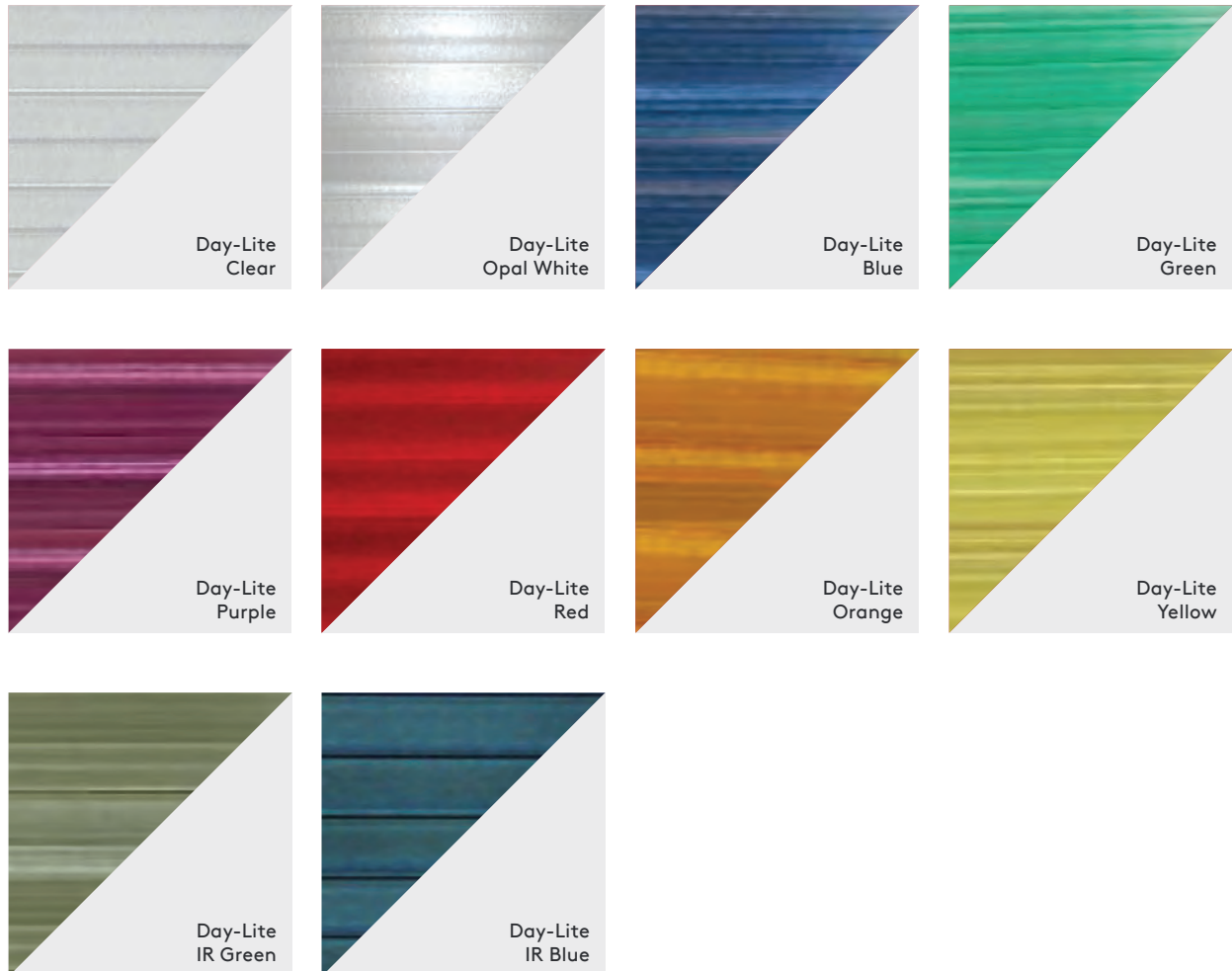


Day-Lite
Yellow



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.



*Please speak to your Kingspan Area Sales Manager about minimum order quantities.

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.

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

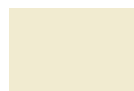
Kingspan Spectrum

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

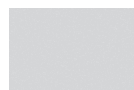


Jet
RAL 9005

Kingspan Spectrum Metallic



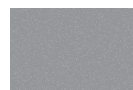
Beigestone
RAL 1035



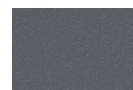
Silver
RAL 9006



Obsidian
RAL 9007



Graphite
RAL 9023



Greyrock
KC 100



Topaz
KC 200



Opal
KC 400

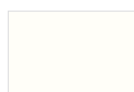
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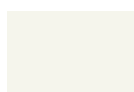
Kingspan Altaris

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.

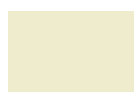
Kingspan Altaris Solid



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



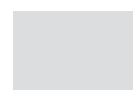
Champagne
Metallic



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



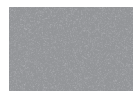
Purple Grey
35



Blue Green
Gold
35



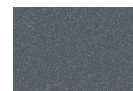
Azurite Blue
Green
35



Samurai
Stainless
35



Cosmonauts
Titanium
35



Aerospace
Titanium
35



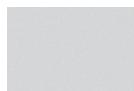
Glamorous
Gold
35



Canyon
Copper
35



Galactic
Diamond
35



Sterling Silver
35

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

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.

Kingspan Textured

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

Kingspan Destrál

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

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



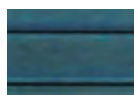
Orange



Yellow



IR Green



IR Blue

Membranes

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
Lead Grey PVC
RAL 9500

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.

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 and HFC-free, fibre-free insulation core. Read 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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www.kingspanpanels.ie

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

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