

Insulated roof and wall systems

Standard Coating and Colours



POWERED BY
QuadCore
TECHNOLOGY


Kingspan®

Standard Coatings

Kingspan offer a wide variety of coatings to meet different demands for applications. Below is a summary of our standard coatings with specification of intended use. More detailed information about the coatings can be found from page 5.

External use



Kingspan Spectrum® is a durable, multi-layer polyurethane (PU) coating. It offers strong corrosion resistance, UV protection, and weather resistance, making it ideal for various applications.

- Corrosivity: RC4/5 *
- UV resistance: RUV 4

* consult with Kingspan for RC5



Kingspan PES is a Polyester based coating. It offers good corrosion resistance, UV protection, and weather resistance, making it ideal economical option for external applications.

- Corrosivity: RC3
- UV resistance: RUV 1-4

Internal use



Kingspan PES is a durable option for standard internal applications.

- Corrosivity: RC3



Kingspan PEI is a thinner Polyester based coating and economical option only for internal applications.

- Corrosivity: RC2



Kingspan FoodSafe is thick PVC suitable for internal applications in food processing industries.

- Corrosivity: RC5



Kingspan Spectrum® is a suitable option for washing halls or wet applications.

- Corrosivity: RC4/5*

* consult with Kingspan for RC5

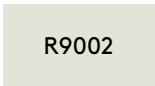
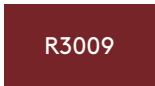
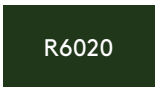


Kingspan INOX is stainless steel suitable for higher corrosive internal environments and also suitable for food processing industries.

QuadCore & IPN Wall Panels

Through-fix panels (KS TF Wall Panel, KS TL Wall Panel, Karrier KL) *

External use

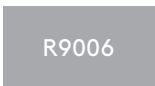
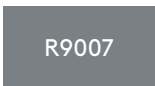
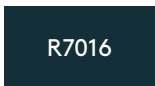
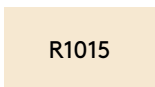
 R9006 PES 0.5/0.6 Spectrum 0.6	 R9007 PES 0.5/0.6 Spectrum 0.6	 R7016 PES 0.5/0.6 Spectrum 0.6	 R7035 PES 0.5/0.6
 R9002 PES 0.5/0.6	 R9010 PES 0.5/0.6	 R3009 PES 0.6	 R5010 PES 0.6
 R6020 PES 0.6			

Internal use

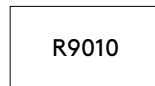
 R9002 PES 0.4/0.5/0.6 PEI 0.4/0.5	 R9010 PES 0.4/0.5/0.6 FoodSafe 0.5
 INOX 0.5	

Secret-fix panels (KS AT Architectural Wall Panel, Karrier BK)

External use

 R9006 PES 0.6 Spectrum 0.6	 R9007 PES 0.6 Spectrum 0.6	 R7016 PES 0.6	 R7035 PES 0.6
 R9002 PES 0.6	 R9010 PES 0.6	 R1015 PES 0.6	

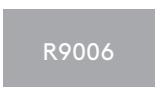
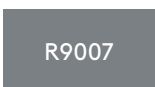
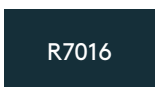
Internal use

 R9002 PES 0.4/0.5 PEI 0.4/0.5	 R9010 PES 0.4/0.5
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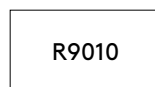
K-Roc Wall Panels

Through-fix panels (KS RF Wall Panel, Karrier KT) *

External use

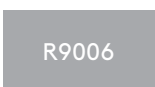
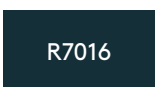
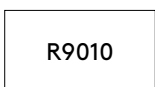
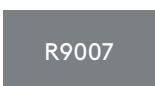
 R9006 PES 0.6	 R9007 PES 0.6	 R7016 PES 0.6	 R7035 PES 0.6
 R9002 PES 0.6	 R9010 PES 0.6		

Internal use

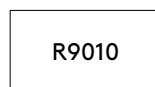
 R9002 PES 0.5/0.6 PEI 0.5	 R9010 PES 0.5/0.6 FoodSafe 0.5
 INOX 0.5	

Secret-fix panels (KS RH Wall Panel)

External use

 R9006 PES 0.6/0.75	 R7016 PES 0.6/0.75	 R7035 PES 0.6	 R9010 PES 0.6
 R9002 PES 0.6/0.75	 R9007 PES 0.6/0.75		

Internal use

 R9002 PES 0.6	 R9010 PES 0.6
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* Limited availability of some colours for certain module widths.

QuadCore & IPN Roof Panels

KS RW Roof Panel

External use

R9006 PES 0.5/0.6 Spectrum 0.5/0.6	R9007 PES 0.5/0.6 Spectrum 0.5/0.6	R7016 PES 0.5/0.6 Spectrum 0.5/0.6	R7035 PES 0.5	R9002 PES 0.5/0.6 Spectrum 0.5/0.6	R9010 PES 0.5	R3009 PES 0.5/0.6 Spectrum 0.5/0.6
R8004 PES 0.5	R8014 PES 0.5	R6020 PES 0.5				

Internal use

R9002 PES 0.4/0.5 PEI 0.4/0.5	R9010 PES 0.4/0.5
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K-Roc Roof Panels

KS FF Roof Panel

External use

R9006 PES 0.6 Spectrum 0.6	R9007 PES 0.6 Spectrum 0.6	R7016 PES 0.6 Spectrum 0.6	R9002 PES 0.6	R9010 PES 0.6	R3009 PES 0.6	R5010 PES 0.6
R6020 PES 0.6	R7035 PES 0.6					

Internal use

R9002 PES 0.5 PEI 0.5	R9010 PES 0.5
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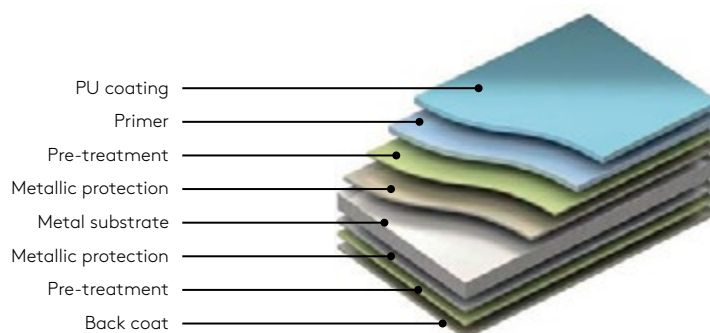
Kingspan Spectrum®

Spectrum® is a coating that delivers aesthetic brilliance and guaranteed performance in a variety of applications. It is a technically advanced polyurethane (PU) coating with multi-layer materials applied to a metal substrate which provides the necessary protection and longevity.

The coating with a thickness of 50 µm provides strong corrosion resistance to the metal substrate. Dedicated also for aggressive environments and to withstand severe mechanical damages.

Spectrum® consists of a coated semi-gloss finish with a slight granular effect. It provides excellent gloss retention and weather resistance. Spectrum improved UV resistance fully complies with European RUV 4 classification. All this makes Spectrum® an ideal solution for a wide variety of applications, especially where:

- Corrosion resistance up to RC4 is needed. Material can also comply up to RC5, but has to be confirmed by consulting with Kingspan.
- Best in class scratch resistance and formability is needed, also in low temperatures
- Maximal UV resistance is needed, this enables superior resistance against fading
- Stay clean property is important



Technical Data

SPECTRUM®	
Gloss	Semi-Matt (30–40 GU)
UV radiation resistance	RUV 4
Corrosion resistance	RC4 (RC5*)
Highest operating temperature	80 °C
Nominal coating thickness	50 µm
Surface pattern	Structured

* consult with Kingspan for RC5

Kingspan PES

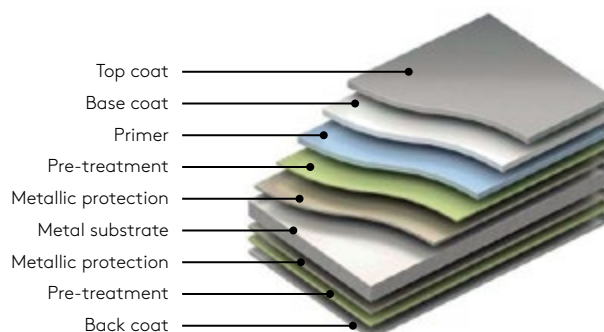
Kingspan PES is a versatile polyester coating with thickness of 25 µm that is characterized by robustness, flexibility, durability. Suitable for external and internal applications in standard environment. Kingspan PES is recommended to building applications:

- With standard indoor environments
- It offers the most economical option for applications, where solid durability and flexibility are combined with low cost

Technical Data

Kingspan PES	
Gloss	Semi-Matt (23–40 GU)
UV radiation resistance	RUV 1–4*
Corrosion resistance	RC3
Highest operating temperature	80 °C
Nominal coating thickness	25 µm
Surface pattern	Smooth

* Depending on colour. Consult with Kingspan for details.



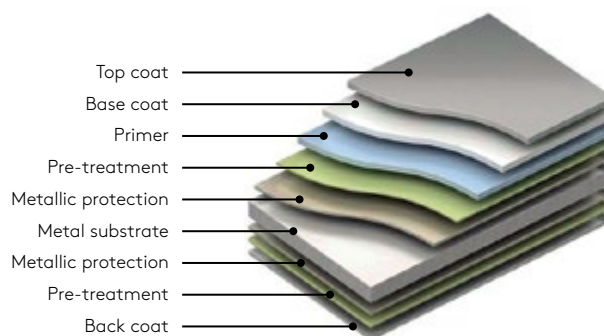
Kingspan PEI

Kingspan PEI is a polyester coating with thickness of 15 µm. Our most economical coating standard environments in internal applications. Polyester PEI is recommended to building applications:

- With standard indoor environments
- It offers the most economical option for indoor applications

Technical Data

Kingspan PEI	
Gloss	Semi-Matt (23-40 GU)
UV radiation resistance	N/A
Corrosion resistance	RC2
Highest operating temperature	80 °C
Nominal coating thickness	15 µm
Surface pattern	Smooth



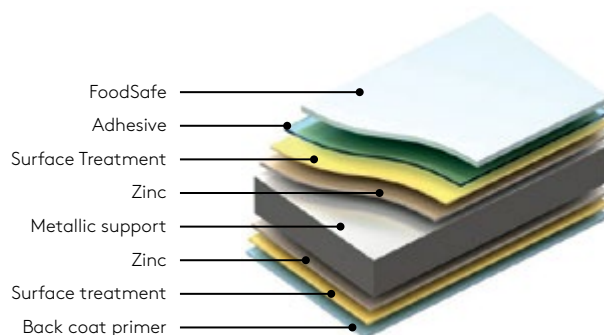
Kingspan FoodSafe

FoodSafe is a chemically inert polyvinyl chloride (PVC) film, laminated to pre-treated metal, and suitable for internal applications in food processing and controlled environments.

- Food safety – suitable for surfaces immediately behind food preparation, processing surfaces or equipment
- Easy to clean
- Resistant to staining, mold growth and surface extraction
- Excellent robustness
- Excellent chemical and humidity corrosion resistance
- Non-toxic
- Resistant to impact and surface wear

Technical Data

FoodSafe	
Gloss	8-12 GU
UV radiation resistance	N/A
Corrosion resistance	RC5
Highest operating temperature	60 °C
Nominal coating thickness	150 µm
Surface pattern	Smooth matt



Kingspan INOX

Stainless steel is chemically inert, crevice free austenitic stainless steel, quality according to 1.4301, suitable for highly corrosive internal environments.

- Food safety – suitable for surfaces immediately behind food preparation, processing surfaces or equipment (Stainless steel 304)
- Easy to clean
- Good to polish
- Resistant to stains, mold and flaking
- Excellent robustness
- Excellent corrosion resistance
- Non-toxic
- Suitable for use in waste recycling plants

Technical Data

	Stainless steel
Nominal thickness	0.5 mm
Appearance	2B – smooth, unpolished
Temperature resistance	Maximum 870 °C



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