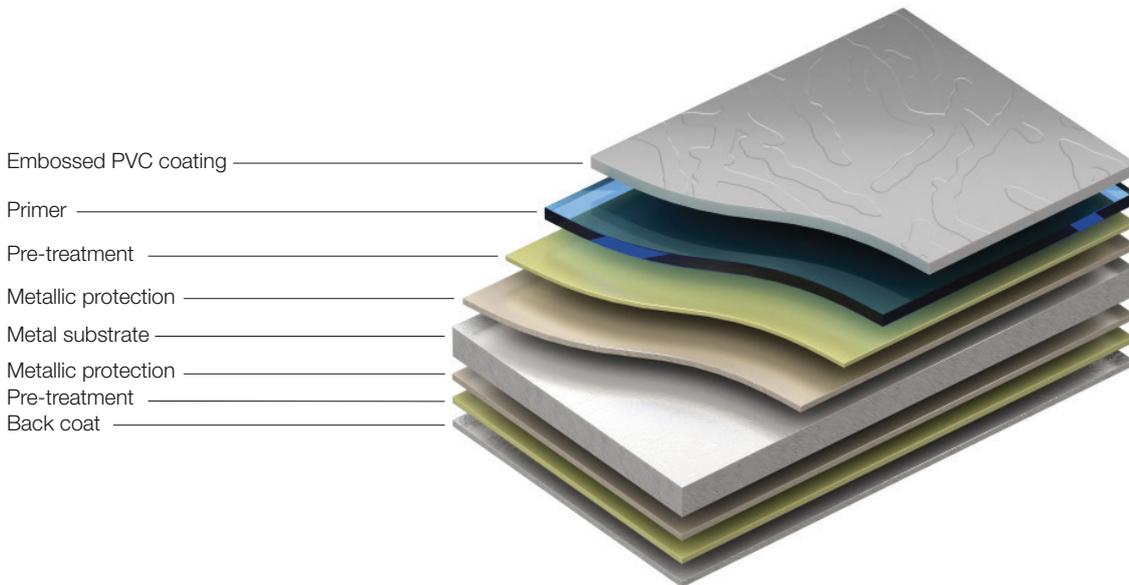


Few materials are as colourful and durable as Kingspan XL Forté, a world class protective coating, that is available in a range of colours and provides a barrier against the elements when used in architectural roof and wall applications.



What is Kingspan XL Forté?

Kingspan XL Forté is a superior polyvinyl chloride (PVC) coating featuring organic multi-layer materials applied on a metal substrate with advanced metallic protection, which guarantees the necessary protection and a long life.

Kingspan XL Forté is a 200µm thick leathergrain embossed coating, which is very robust and offers excellent abrasion resistance. The thickness of the coating also provides an element of corrosion protection to the metal substrate, which is not possible with thinner coatings.

Although the coating is very thick, the thermoplastic nature means that stress forming is very low, making Kingspan XL Forté highly flexible with little thinning in formed areas, ideal for use when sharp bending and fabrication are required.

Kingspan XL Forté is offered in three distinct colour ranges, is highly durable and is guaranteed for up to 40 years.

Applications

The Kingspan XL Forté range has been specially developed for roof and wall cladding applications that require long-term corrosion resistance and durability. It is particularly recommended for roofing where rainwater run-off can promote corrosion.

It is also favoured due to its robustness, making damage during the construction phase less likely than with other thinner coatings.

It is most suited for temperate weather conditions, such as in the UK and Ireland and is not recommended for hot climates.

Technical Properties

Kingspan XL Forté

Nominal thickness	200µm
Gloss (Gardner 60°C)	15-45GU
Appearance	Embossed leathergrain
Adhesion of the coating (T-bend)	≤0.5T
Scratch resistance (Clemen)	≥4.5kg
Abrasion resistance (Taber)	≤30mg
Impact resistance	18J
Surface pencil hardness	4 – 6B
Resistance to cracking on bending (T-bend)	≤1.5T
Corrosion resistance:	
Salt spray test	1000 hours
Category	RC5
Condensation resistance (QCT test)	1500 hours
Temperature resistance	Maximum 60°C
UV resistance (QUV-A test 2000 hours):	
Colour change	ΔE≤2
Gloss retention	≥80%
Category (EN 10169-1/2)	RUV4
Resistance to acids and bases	Good to very good
Resistance to solvents:	
Aliphatics and alcohols	Very good
Ketones	Low
Aromatics	Good to very good
Resistance to mineral oils	Very good
Fire classification (EN 13501-1)	Cs2,d0