

Kingspan

Wall & Roof Panels

Coating Cards

Coating types:

- Polyester SP25 (Kingspan PES)
- Polyester SP15 (Kingspan PEI)
- Plastizol PVC(P) (Kingspan XL2)
- FoodSafe PVC(F) (Kingspan FoodSafe)
- PVD(F) 2 layers (Kingspan PVD(F) 2 layers)
- PVD(F) 3 layers (Kingspan PVD(F) 3 layers)
- PUR-PA50 (Kingspan Spectrum™)
- Polyester SP30 (Kingspan Wood decor)

Application

Polyester coating with standard SP designation and nominal thickness of 25 µm in the form of polyester paint, applied to hot-galvanized steel sheet. Coating suitable for use in the standard outdoor environment. It is a standard coating for universal use.

Description	Thickness	25 µm
	Composition of the external layer	5 µm substrate + 20 µm top layer
	Composition of the internal layer	5-12 µm
	Reflexivity	≤ 30 GU
	Appearance	Smooth
	Temporary protection	Foil
Strength	Adhesion	≤ 2 T
	Resistance to cracking when bending	≤ 3 T
	Surface hardness	HB - H
	Resistance to scratches	≥ 2 kg
Longevity	Corrosion resistance - salt spray	360 h
	Corrosivity category inside or outside	C3 medium
	Aggressivity of the ambience - interior	Medium aggressive
	Category of ambience depending on the corrosion conditions - interior	A3 ¹⁾
	Corrosion resistance category (RC) - outdoor	RC3
	Corrosion protection category CPI - interior	CPI3 ¹⁾
	Resistance to moisture	1000 h
	Resistance to UV radiation + H ₂ O test (2000h)	ΔE ≤ 5, GR ≥ 30%
	UV resistance category	RUV2
	Resistance to substances	Acids and Alkali - Good Aliphates and alcohol - Very good Ketones - Low Odour - Good or Very good Oils - Very good

Notes:

1) Internal corrosion resistance category to be confirmed by Kingspan's Quality Control Department.



Application

Polyester coating with the standard SP designation and nominal thickness of 15 µm in the form of polyester paint, applied to hot-galvanized steel sheet. Coating for internal use. The standard color is gray-white: A9002, A9010, A9881.

Description	Thickness	15 µm
	Composition of the external layer	15 µm top layer
	Composition of the internal layer	5-7 µm
	Reflexivity	≤ 30 GU
	Appearance	Smooth
	Temporary protection	Self-adhesive foil or heat-sealed foil
Strength	Adhesion	≤ 2 T
	Resistance to cracking when bending	≤ 3 T
	Surface hardness	HB - H
	Resistance to scratches	≥ 1 kg
Longevity	Corrosion resistance - salt spray	150 h
	Corrosivity category inside or outside	C2 low
	Aggressivity of the ambience - interior	Non aggressive
	Category of ambience depending on the corrosion conditions - interior	A1
	Corrosion resistance category (RC) - outdoor	-
	Corrosion protection category CPI - interior	CPI2
	Resistance to moisture	500 h
	Resistance to UV radiation + H ₂ O test (2000h)	N/A
	UV resistance category	N/A
	Resistance to substances	N/A

Notes:

The coating is for internal use only.

N/A - Not Applicable



Application

Polyvinyl chloride coating with the PVC(P) standard designation, and nominal thickness of 200 µm. Dedicated to surfaces that require increased corrosion resistance, for external and internal use.

Description	Thickness	200 µm
	Composition of the external layer	200 µm top layer
	Composition of the internal layer	5-12 µm
	Reflexivity	NPD
	Appearance	Smooth or structure (leather, grain, wood, stripes)
	Temporary protection	NPD
Strength	Adhesion	≤ 0,5 T
	Resistance to cracking when bending	≤ 1,5 T
	Surface hardness	N/A
	Resistance to scratches	NPD
Longevity	Corrosion resistance - salt spray	1000 h
	Corrosivity category inside or outside	C5-I very high
	Aggressivity of the ambience - interior	Very aggressive
	Category of ambience depending on the corrosion conditions - interior	A5 ¹⁾
	Corrosion resistance category (RC) - outdoor	RC5
	Corrosion protection category CPI - interior	CPI5 ¹⁾
	Resistance to moisture	1500 h
	Resistance to UV radiation + H ₂ O test (2000h)	ΔE < 3, GR > 80%
	UV resistance category	RUV3
	Resistance to substances	Acids - Medium Alkali - Good Aliphates - Very good Ketones - Low Odour - Good Oils - Very good

Notes:

1) Internal corrosion resistance category to be confirmed by Kingspan's Quality Control Department.

NPD - No Performance Declared



Application

Modified polyvinyl chloride film classified as PVC(F) with a nominal thickness of 120 µm (150 µm on request). Coating for internal use (in the food and hygiene industry, shelving, metal furniture, ceilings, cold stores, etc.). Non-toxic, resistant to mold, durable and easy to clean, it is chemically neutral and has been approved for contact with food.

Description	Thickness	120 µm (150 µm on request)
	Composition of the external layer	N/A
	Composition of the internal layer	N/A
	Reflexivity	8-15 GU
	Appearance	N/A
	Temporary protection	N/A
Strength	Adhesion	N/A
	Resistance to cracking when bending	≤ 1 T
	Surface hardness	N/A
	Resistance to scratches	≥ 4 kg
Longevity	Corrosion resistance - salt spray	500 h
	Corrosivity category inside or outside	C5-I very high
	Aggressivity of the ambience - interior	Very aggressive
	Category of ambience depending on the corrosion conditions - interior	A5
	Corrosion resistance category (RC) - outdoor	-
	Corrosion protection category CPI - interior	CPI5
	Resistance to moisture	1500 h
	Resistance to UV radiation + H ₂ O test (2000h)	N/A - not suitable for external environment
	UV resistance category	N/A - not adapted to the external environment
	Compliant with EU regulations regarding food safety and contact with food products	Yes

Notes:

The coating is for internal use only.

N/A - Not Applicable



Application

Polyfluoro vinylidene coating with the standard PVDF designation and nominal thickness of 25 µm. Dedicated to surfaces that require increased corrosion resistance, for external and internal use.

Description	Thickness	25 µm
	Composition of the external layer	5 µm substrate + 20 µm top layer
	Composition of the internal layer	5-12 µm
	Reflexivity	30 GU
	Appearance	Smooth
	Temporary protection	Self-adhesive foil or heat-sealed foil
Strength	Adhesion	≤ 1 T
	Resistance to cracking when bending	≤ 2 T
	Surface hardness	HB – H
	Resistance to scratches	≥ 2 kg
Longevity	Corrosion resistance - salt spray	360 h
	Corrosivity category inside or outside	C3 medium
	Aggressivity of the ambience - interior	Medium aggressive
	Category of ambience depending on the corrosion conditions - interior	A3 ¹⁾
	Corrosion resistance category (RC) - outdoor	RC3
	Corrosion protection category CPI - interior	CPI3 ¹⁾
	Resistance to moisture	1000 h
	Resistance to UV radiation + H ₂ O test (2000h)	ΔE ≤ 2, GR ≤ 80%
	UV resistance category	RUV4
	Resistance to substances	Acids and Alkali – Good or Very good Aliphates and alcohol – Very good Ketones – Good Odour – Good or Very good Oils – Very good

Notes:

1) Internal corrosion resistance category to be confirmed by Kingspan's Quality Control Department.

Corrosion resistance category up to RC3 is guaranteed by the supplier.

Corrosion resistance category up to C4/RC4 must be consulted with the supplier and the Questionnaire must be completed.



Application

Polyfluoro vinylidene coating with the standard PVDF designation and nominal thickness of 35 µm containing an additional layer of primer. Dedicated to surfaces that require increased corrosion resistance, for external and internal use.

Description	Thickness	32 µm - 52 µm
	Composition of the external layer	10-17 µm substrate + 5-15 µm primer + 17-20 µm top layer
	Composition of the internal layer	5-12 µm
	Reflexivity	23-40 GU
	Appearance	Smooth
	Temporary protection	NPD
Strength	Adhesion	≤ 1 T
	Resistance to cracking when bending	≤ 2 T
	Surface hardness	F – H
	Resistance to scratches	NPD
Longevity	Corrosion resistance - salt spray	700 h
	Corrosivity category inside or outside	C3 medium
	Aggressivity of the ambience - interior	Medium aggressive
	Category of ambience depending on the corrosion conditions - interior	A3 ¹⁾
	Corrosion resistance category (RC) - outdoor	RC3
	Corrosion protection category CPI - interior	CPI3 ¹⁾
	Resistance to moisture	1000 h
	Resistance to UV radiation + H ₂ O test (2000h)	ΔE ≤ 5, GR ≤ 40%
	UV resistance category	RUV4
	Resistance to substances	Acids and Alkali – Very good Aliphates and alcohol – Excellent Ketones – Very good Odour – Very good Oils – Excellent

Notes:

1) Internal corrosion resistance category to be confirmed by Kingspan's Quality Control Department

Corrosion resistance category up to RC3 is guaranteed by the supplier.

Corrosion resistance category up to C4/RC4 must be consulted with the supplier and the Questionnaire must be completed.

NPD - No Performance Declared



Application

Polyurethane coating with a standard PUR-PA design and nominal thickness of 50 µm. Dedicated to surfaces that require increased corrosion resistance, for external and internal use. It is characterized by exceptional durability and resistance to weather conditions, corrosion and UV radiation. Provides high durability of color and gloss. Thanks to good flexibility, it is very resistant to mechanical damage.

Description	Thickness	50 µm
	Composition of the external layer	20 µm substrate + 30 µm top layer
	Composition of the internal layer	10-12 µm
	Reflexivity	30 GU
	Appearance	Slightly grainy
	Temporary protection	N/A
Strength	Adhesion	≤ 1 T
	Resistance to cracking when bending	≤ 1,5 T
	Surface hardness	N/A
	Resistance to scratches	≥ 3 kg
Longevity	Corrosion resistance - salt spray	700 h
	Corrosivity category inside or outside	C4 high
	Aggressivity of the ambience - interior	Aggressive
	Category of ambience depending on the corrosion conditions - interior	A4 ¹⁾
	Corrosion resistance category (RC) - outdoor	RC4
	Corrosion protection category CPI - interior	CPI4 ¹⁾
	Resistance to moisture	1500 h
	Resistance to UV radiation + H ₂ O test (2000h)	ΔE < 2, GR ≤ 80%
	UV resistance category	RUV4
	Resistance to substances	Acids and Alkali – Good or Very good Aliphates and alcohol – Very good Ketones – Low Odour – Good or Very good Oils – Very good

Notes:

1) Internal corrosion resistance category to be confirmed by Kingspan's Quality Control Department.

Corrosion resistance category up to RC4 is guaranteed by the supplier.

Corrosion resistance category up to C5/RC5 – I,M has to be consulted with the supplier/s and the fulfilled Questionnaire is required.

N/A - not available



Application

Strips or sheets from hot-dip galvanized steel on the top side coated with a layer HD polyester Light wood flat.

Description	Thickness	25 µm - 38 µm
	Composition of the external layer	Top side: 13 – 20 µm clear coat textured Primer: 12 – 18 µm base coat, 1 – 3 µm ink
	Composition of the internal layer	5-12 µm
	Reflexivity	1-7 GU
	Appearance	Textured
	Temporary protection	N/A
Strength	Adhesion	≤ 1 T
	Resistance to cracking when bending	≤ 3 T
	Surface hardness	F - H
	Resistance to scratches	NPD
Longevity	Corrosion resistance - salt spray	500 h
	Corrosivity category inside or outside	C3 medium
	Aggressivity of the ambience - interior	Medium aggressive
	Category of ambience depending on the corrosion conditions - interior	- 1)
	Corrosion resistance category (RC) - outdoor	RC3
	Corrosion protection category CPI - interior	- 1)
	Resistance to moisture	1000 h
	Resistance to UV radiation + H ₂ O test (2000h)	ΔE ≤ 5, GR ≤ 40%
	UV resistance category	RUV3
	Resistance to substances	Acids and Bases - Good Aliphatics and alcohols - Good Ketones - Low Aromatics - Good Mineral Oils - Good"

Notes:

1) Internal corrosion resistance category to be confirmed by Kingspan's Quality Control Department.



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