

# Colorcoat HPS200 Ultra™

Super durable, ultimate in performance

FALK Panel is the exclusive supply chain partner for Colorcoat HPS200 Ultra™ by Tata Steel when used in the manufacture of insulated metal panels in North America and Canada.

Designed to withstand even the most demanding and aggressive environments, Colorcoat HPS200 Ultra™ by Tata Steel is a pre-finished steel product that provides super durability and corrosion resistance. All the layers of Colorcoat HPS200 Ultra™ have been developed and tested to work together as a complete system and are optimized to offer the very best performance.



Whatever your type of building, from retail outlets to processing plants, Colorcoat HPS200 Ultra™ demonstrates proven performance and reliability.

FALK Panel provides a range of finished profiles in the Colorcoat HPS200 Ultra™ colors depicted to the right. For a more accurate representation of the color please request a physical sample.

### Substrate & Metallic Coating

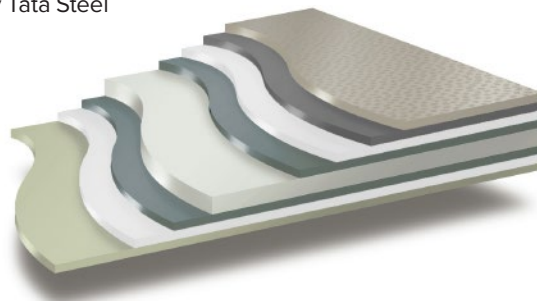
Colorcoat HPS200 Ultra™ uses the unique and proven hot-dipped Galvalloy® metallic coating by Tata Steel. Galvalloy® is made with a special mix of 95% Zinc (Zn) and 5% Aluminium (Al) that conforms to EN 10346:2015. This is comparable to GF90. The carefully developed proportions of Zinc and Aluminium in Galvalloy® offers a combination of increased barrier and sacrificial protection when compared with conventional Hot Dip Galv (HDG) coatings and provides unrivalled corrosion protection, even at the cut edges.

### Unique Identity

Unique to Colorcoat HPS200 Ultra™ the Scintilla™ pattern has been developed with a depth of only nominal 0.05mm, which makes it less likely to trap dirt than deeper patterns therefore making the pre-finished steel easier to clean whilst being more robust. The Scintilla™ pattern provides a unique guarantee of authenticity and an overall thicker protective topcoat.

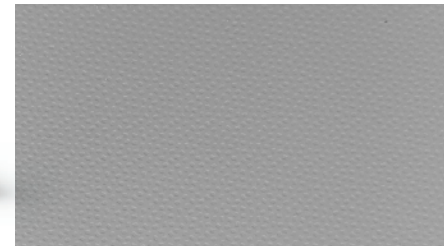
### Colorcoat HPS200 Ultra™ Layers Illustration

- Top coat with unique Scintilla™ pattern by Tata Steel
- Corrosion resistant primer
- Pre-treatment
- Galvalloy® metallic coating
- Base substrate
- Galvalloy® metallic coating
- Pre-treatment
- High performance backing coat



### Availability

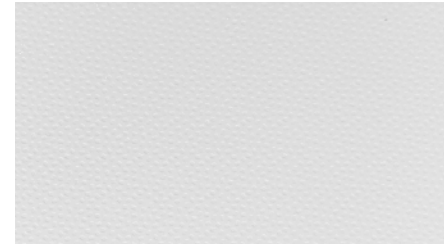
Colorcoat HPS200 Ultra™ is readily available in 0.5mm in 6 key colors through FALK Panel in a selection of finished profiles. There is a wider selection of colors available however subject to minimum order quantities and lead times.



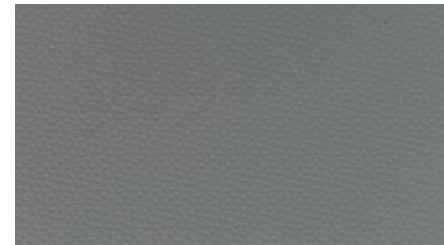
GOOSEWING GREY • RAL 7038



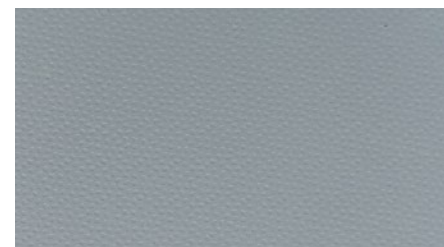
HAMLET • RAL 9002



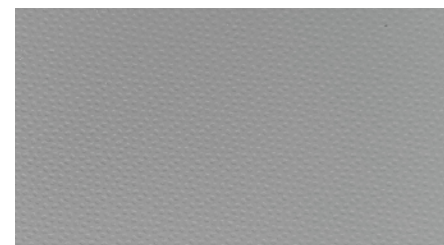
WHITE • RAL 9003



MERLIN GREY • RAL 180.40.05



ALASKA GREY • RAL 7000



PURE GREY • RAL 000.55.00

## Physical Properties\*

\*These are conversions rather than measured results

Property		EN Test standard	Result	ASTM Test Standard	Result
Nominal organic coating thickness		EN13523-1	200µm	ASTM D7091	8 mils
Specular gloss (60° viewing angle, non matt colors)		EN13523-2	20-40%	ASTM D523	20 – 40 units
Flexibility	T-bend	EN13523-7	0T (16°C 60.8F)	ASTM D4145	0T with no loss of adhesion
	Reverse impact	EN13523-5	≥ 18J 13.27 foot-pound	ASTM D2794	160 inch pounds, no loss of adhesion
Adhesion (cross hatch)		EN13523-6	100% no loss of adhesion	ASTM D3359	No loss of adhesion

## Abuse Tolerance

Property		EN Test standard	Result	ASTM Test Standard	Result
Abrasion resistance – falling sand				ASTM D968:2001	500 Litres
Mortar resistance				ASTM C207	No defects observed
Detergent resistance				ASTM D2248	Color change - lighter

## Resistance to Corrosion, Chemicals and Pollution (Actual Tests)

Property		EN Test standard	Result	ASTM Test Standard	Result
Salt spray				ASTM B117	1000 hours
Humidity		EN13523-26	1500 hours No blisters	ASTM D2247	1000 hours no blistering
Kesternich test				ASTM G-87 30 cycles	No blistering, cross cut adhesion rating 0
Acid pollutants	37% Muriatic acid			ASTM D1308	No defects observed
	70% Nitric acid			ASTM D1308	No defects observed
Alkali resistance	25% Sodium hydroxide			ASTM D1308	No defects observed

## Weathering Properties (Actual Test)

Property		EN Test standard	Result	ASTM Test Standard	Result
Natural weathering	Corrosion resistance	EN10169	RC5	No equivalent	
	UV resistance	EN10169	Ruv4		
Accelerated weathering	QUV-A	EN13523-10	5000 hours <1.0 dE	ASTM D4587 ASTM D2244-16 (Colour) ASTM D4214 (chalking)	5000 hours CIELAB ΔE*: <1.0 units No chalking
	QUV-B			ASTM D4587 ASTM D2244-16 (Colour) ASTM D4214 (chalking)	5000 hours CIELAB ΔE*: <1.0 units No chalking
Florida	45 degrees South	EN10169 7 years exposure	dE < 2.0 for Goosewing Grey colour	ASTM D2244-16 (Colour)	CIELAB ΔE*: < 2.0 units

Note: Colorcoat HPS200 Ultra™ is produced and tested to EN standards. 1 sample of Colorcoat HPS200 Ultra™ Goosewing Grey colour was submitted externally for testing against some ASTM standards. The ASTM results quoted in the above table are the results from this one sample that was tested externally