

GreenCoat PLX Pural BT

General Product Description

GreenCoat PLX Pural BT color coated steel is available in matt and metallic finishes and offers a wide range of colors inspired by Nordic nature. It provides a coating where rapeseed oil and other renewable raw materials are used. SSAB has long experience of Bio-based Technology (BT) in GreenCoat® products.

This product has been developed together with tinsmiths in order to obtain optimum product properties combined with Nordic quality steel and an excellent coating. The result is a unique, premium product for tinsmiths.

GreenCoat PLX Pural BT offers the highest level of durability for standing-seam systems. Product is recommended to be used in all premium tinsmith applications. It is highly formable, even by hand, and has practically no spring-back, which allows for very tight folding.

GreenCoat PLX Pural BT color coated steel offers a coating that is optimized to resist weathering, resulting in excellent UV resistance (Ruv5 for matt appearance) and corrosion classes (RC5+). The product has excellent scratch resistance and is easy to handle during manufacturing. GreenCoat PLX Pural BT possesses excellent forming properties enabling very demanding folding even down to -15°C, allowing for year-round installation at lower costs.

The reverse side of the sheet is painted with a two-layer grey backside coating.

GreenCoat PLX Pural BT complies with current REACH regulations and is fully chromate-free.

SSAB's color coated steels are all manufactured according to EN 10169.

GreenCoat Pural and PLX are trademarks of the SSAB group of companies.

Technical Properties

Technical Properties	Matt	Metallic
Gloss	< 5	40
Minimum inner bending radius	1 x sheet thickness ¹⁾	1 x sheet thickness
Scratch resistance	40 N	35 N
Lowest forming temperature	-15 °C	-15 °C
UV radiation resistance	R _{UV} 5	R _{UV} 4
Corrosion resistance ²⁾	RC5+	RC5+
Stain resistance	Very good	Very good
Highest operating temperature	100 °C	100 °C
Fire classification, EN 13501-1	A1 s1 d0	A1 s1 d0
Coating thickness, nominal (primer + top coat)	50 µm	45 µm
Coating structure	Structured and wrinkled	Smooth
Steel designation	PLX ³⁾	PLX
Yield strength R _{p0.2} Typical	160 MPa	160 MPa
Tensile strength R _m Typical	320 MPa	320 MPa
Elongation A ₈₀ Typical	41 %	41 %
Zinc coating	350 g/m ²	350 g/m ²
Min steel thickness	0.60 mm	0.60 mm
Steel width	1000 - 1500 mm	1000 - 1500 mm

¹⁾ 1.5 x steel thickness for matt color RR19/SS0001.

²⁾ Classification into corrosion resistance categories is based on blistering, delamination and damage on bend of the coating after four years exposure in natural outdoor testing sites as specified in EN 10169.

³⁾ PLX fulfills the requirements of EN 10346 DX54D.

Colors

Below are the colors currently available. Other colors can be agreed upon separately.

Colors shown in the color table are only indicative. To see the real visual appearance of the product, please order a color sample. Please note also that the same colors between the products may differ.

						
Snow White RR19 / SS0001	Quarry Grey RR287 / SS0244	Anthracite Grey RR2H8 / SS0087	Mountain Grey RR23 / SS0036	Nordic Night Black RR33 / SS0015	Chestnut Brown RR887 / SS0435	Cottage Red RR29 / SS0758
Matt	Matt	Matt	Matt	Matt	Matt	Matt
						
Tile Red RR750 / SS0760	Silver Fir Green RR5J3 / SS0975	Leaf Green RR594 / SS0874	Metallic Silver RR40 / SS0045	Metallic Dark Silver RR41 / SS0044	Metallic Gold RR42 / SS----	Metallic Copper RR979 / SS0778
Matt	Matt	Matt	Regular	Regular Matt	Regular (trial deliveries)	Regular (trial deliveries)

Note: To ensure tonal consistency of colors on a single exterior face, all material must come from the same production batch. Also the directionality of surfaces has to be consistent especially when sheets are cut to size. Compared to solid colors, larger measured color variation between production batches is typical for metallic colors, even if color is visually stable

Reverse Side Coating

Unless otherwise specified, the reverse side of the sheet is painted with a two-layer coating to further improve the corrosion resistance of the end product. The coating provides good adhesion properties to many adhesives and foams; nevertheless the compatibility needs to be tested case-specifically.

Technical Properties	
Nominal Coating Thickness (primer + top coat)	12 µm
Color	Grey
Corrosion Resistance	Min CPI3

For easy material identification the reverse side of the sheet is stamped with the GreenCoat logo and the product name. The production date is marked to ease material traceability and can be referred to within the guarantee period. An arrow shows the direction of production to ensure installation in a uniform direction.

Contact Information

www.ssab.com/contact