GreenCoat PLX Pro BT

General Product Description

GreenCoat PLX Pro BT color coated steel is available in regular and matt 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 Pro BT color coated steel offers a high level of durability for standing-seam systems. It is highly formable, even by hand, and has practically no spring-back, which allows for very tight folding.

GreenCoat PLX Pro BT color coated steel offers a coating that is optimized to resist weathering, resulting in excellent corrosion resistance (RC5+). The product possesses excellent gloss retention and color fastness.

GreenCoat PLX Pro 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 Limestone Turquoise color backside coating.

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

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

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

Technical Properties

Technical Properties	Regular	Matt
Gloss	40	10
Minimum inner bending radius	1.5 x sheet thickness	1.5 x sheet thickness
Scratch resistance	35 N	35 N
Lowest forming temperature	-15 °C	-15 °C
UV radiation resistance	$R_{UV}3$	$R_{UV}3$
Corrosion resistance [1)]	RC5+	RC5+
Stain resistance	Very good	Very good
Highest operating temperature	100 °C	100 °C
Fire classification, EN 13501-1	A2 s1 d0	A2 s1 d0
Coating thickness, nominal (primer + top coat)	36 µm	36 µm
Coating structure	Structured	Structured
Steel designation	PLX [2)]	PLX [2)]
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 [3)]	0.6 mm	0.6 mm
Steel width [3)]	1000 - 1500 mm	1000 - 1500 mm

[1)] 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.

[2)] PLX fulfills the requirements of EN 10346 DX54D.

[3)] Maximum steel thickness is 1.5 mm and maximum steel width depends on steel thickness. For other steel dimensions or steel grades please contact SSAB Tech Support.

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.

For information on thermal properties (solar reflectance index SRI or thermal emittance TE) of available colors, please contact SSAB Tech Support.

Nordic White RR1H3 / SS0020 Regular Matt	Winter White RR20 / SS0005 Regular	Snow White RR19 / SS0001 Regular Matt	Arctic White RR1L6 / SS0002 Regular	Polar White RR--- / SS6080 Matt	Powder White RR--- / SS0021 Regular	Limestone Grey RR268 / SS0022 Regular Matt
Goosewing Grey RR2H5 / SS0461 Regular	Gravel Grey RR--- / SS0241 Matt	Quarry Grey RR287 / SS0244 Regular Matt	Rock Grey RR237 / SS0061 Regular	Anthracite Grey RR2H8 / SS0087 Regular Matt	Mountain Grey RR23 / SS0036 Regular Matt	Ridge Grey RR2F7 / SS0035 Regular
Summit Grey RR--- / SS0454 Regular	Cliff Grey RR288 / SS0455 Matt	Nordic Night Black RR33 / SS0015 Regular Matt	Walnut Brown RR32 / SS0387 Regular Matt	Acorn Brown RR827 / SS0434 Regular Matt	Coffee Brown RR820 / SS0384 Regular Matt	Cottage Red RR29 / SS0758 Regular Matt
Brick Red RR7F2 / SS0742 Regular Matt	Fire Brick Red RR7G9 / SS0757 Matt	Harvest Yellow RR24 / SS0189 Regular	Silver Fir Green RR5J3 / SS0975 Regular Matt	Leaf Green RR594 / SS0874 Regular Matt	Pine Green RR11 / SS0830 Regular	Olive Leaf Green RR5H8 / SS6033 Matt
Lake Blue RR35 / SS0558 Regular	Metallic Silver RR40 / SS0045 Regular Matt	Metallic Sterling RR974 / SS6045 Matt	Metallic Smokey Silver RR977 / SS6015 Matt	Metallic Dark Silver RR41 / SS0044 Regular Matt	Metallic Copper RR979 / SS0778 Regular	

Note for Metallic colors: 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.

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	Limestone turquoise, 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

The English version of this document shall prevail in case of discrepancy. Minor changes and updates to the document may occur, please download the latest version of this document at www.ssab.com

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