

GreenCoat Pural BT

General Product Description

GreenCoat Pural BT color coated steel is available in regular and matt finishes and offers a wide range of colors inspired by Nordic nature. It uses a patented bio-based coating having Swedish rapeseed oil instead of traditional fossil oil in the paint, which is unique on the market. SSAB holds a worldwide patent for this coating technology (Bio-based Technology, BT).

GreenCoat Pural BT offers the highest level of durability for roofing applications like standing seams, profiled roof tiles and is used widely in metal roofer applications.

GreenCoat Pural BT color coated steel offers a coating that is optimized to resist weathering resulting in the highest UV (Ruv5 for matt appearance) and corrosion classes (RC5+). The slightly structured surface helps to protect against mechanical wear and is easy to handle during manufacturing. GreenCoat 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 Pural BT complies with current REACH regulations and is fully chromate-free.

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

Technical Properties

Technical Properties	Regular	Matt
Gloss	40	< 5
Minimum inner bending radius	1 x t	1 x t
Scratch resistance	40 N	40 N
Lowest forming temperature	-15 °C	-15 °C
UV radiation resistance	R _{uv} 4	R _{uv} 5
Corrosion resistance*	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	50 µm
Coating structure	Structured	Structured
Steel designation**	S280GD, S320GD, S350GD	S280GD, S320GD, S350GD
Zinc coating	275 g/m ²	275 g/m ²
Min steel thickness**	0.50 mm	0.50 mm
Steel width**	1000 - 1500 mm	1000 - 1500 mm

* 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.

** 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.

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

Colors	Regular	Matt
Winter White - RR20 / SS0005	x	x
Snow White - RR19 / SS0001		x
Concrete Grey - RR292 / SS----	x	
Pebble Grey - RR21 / SS0011	x	x
Quarry Grey - RR287 / SS0244	x	x
Stone Grey - RR22 / SS0554	x	x
Rock Grey - RR237 / SS0061	x	
Anthracite Grey - RR2H8 / SS0087		x
Mountain Grey - RR23 / SS0036	x	x
Ridge Grey - RR2F7 / SS0035	x	
Slate Grey - RR2H3 / SS0534	x	x
Nordic Night Black - RR33 / SS0015	x	x
Walnut Brown - RR32 / SS0387	x	x
Chestnut Brown - RR887 / SS0435	x	x
Almond Brown - RR30 / SS0187	x	
Terra Brown - RR31 / SS0433	x	
Cottage Red - RR29 / SS0758	x	x
Tile Red - RR750 / SS0760	x	x
Brick Red - RR7F2 / SS0742	x	
Wine Red - RR798 / SS5781	x	x
Harvest Yellow - RR24 / SS0189	x	
Silver Fir Green - RR5J3 / SS0975		x
Leaf Green - RR594 / SS0874		x
Pine Green - RR11 / SS0830	x	x
Forest Green - RR37 / SS0925	x	
Lake Blue - RR35 / SS0558	x	
Metallic Silver - RR40 / SS0045	x	
Metallic Dark Silver - RR41 / SS0044		x
Metallic Gold - RR42 / SS----	x	
Metallic Copper - RR979 / SS0778	x	

Note for Metallic and all Matt 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	Grey
Corrosion resistance	Min CPI3

For easy material identification the reverse side of the sheet is stamped with e.g. the GreenCoat logo and the product name. The production year 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

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