

GreenCoat Pro BT

General Product Description

GreenCoat Pro BT, available in regular and matt finishes, is highly durable product developed mainly for roofing applications. Besides using GreenCoat Pro BT for profiled steel sheet roof tiles and standing seam sheets, this product is also perfect for tinsmith applications and can be used in combination with the highly formable steel grades PLX and FAP.

The product is manufactured according to the BT patent (Bio-based Technology) and therefore holds a high environmental position. In BT coatings, a substantial portion of the traditional fossil oil is replaced by Swedish rapeseed oil, which is unique on the market. SSAB holds a world-wide patent for this coating technology.

GreenCoat Pro BT is optimized for wear resistance, weathering resistance and low resource consumption. It has greater durability than standard polyester products when exposed to people walking on the roof and other roof stresses. The product possesses excellent gloss retention and color fastness, and also provides good protection against corrosion.

SSAB color coated products comply with current REACH regulations and are fully free of chromates. Color coated products are all manufactured according to EN 10169 + A1.

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	RC5	RC5
Stain resistance	Very good	Very good
Highest operating temperature	100 °C	100 °C
Fire classification	A2 s1 d0	A2 s1 d0
Coating thickness, nominal	36 µm	36 µm
Primer thickness, nominal	10 µm	10 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*	0.5 mm	0.5 mm
Steel width*	1000- 1500 mm	1000- 1500 mm

* 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.

To ensure tonal consistency of metallic colors on a single exterior face, all material should come from the same production batch. The directionality of metallic surfaces should also be consistent especially when sheets are cut to size.

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

Colors	Regular	Matt
Nordic White- RR1H3 / SS0020	x	x
Winter White- RR20 / SS0005	x	
Snow White- RR19 / SS0001	x	x
Limestone Grey- RR268 / SS0022	x	x
Pebble Grey- RR21 / SS0011	x	x
Stone Grey- RR22 / SS0554	x	
Rock Grey- RR237 / SS0061	x	x
Anthracite Grey- RR2H8 / SS0087	x	x
Mountain Grey- RR23 / SS0036	x	x
Slate Grey- RR2H3 / SS0534	x	
Nordic Night Black- RR33 / SS0015	x	x
Walnut Brown- RR32 / SS0387	x	x
Chestnut Brown- RR887 / SS0435	x	x
Acorn Brown- RR827 / SS0434	x	x
Cottage Red- RR29 / SS0758	x	x
Brick Red- RR7F2 / SS0742	x	x
Red Clay- RR7G3 / SS0762		x
Harvest Yellow- RR24 / SS0189	x	
Silver Fir Green- RR5J3 / SS0975	x	x
Leaf Green- RR594 / SS0874	x	x
Pine Green- RR11 / SS0830	x	
Lake Blue- RR35 / SS0558	x	
Metallic Silver- RR40 / SS0045	x	x
Metallic Dark Silver- RR41 / SS0044	x	x

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	12 µm
Primer	5 µm
Color	Dark 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