

**GREENCOAT®**  
COLORFUL STEEL



# *GreenCoat Pural BT*

– color coated steels

*Long-lasting roofs, even in extreme weather conditions*

**SSAB**



## GreenCoat Pural BT

Current building statistics show an increasing demand for the use of sustainable building materials. To address these building trends and their growing popularity worldwide, GreenCoat® color coated steels from SSAB are available.

Developed to withstand the harshest climates on Earth, GreenCoat Pural BT is the benchmark for color coated steel products for roofing applications where long-lasting durability is needed most. It offers the highest level of durability for roofing applications such as profiled roof tiles and standing seams. For tinsmith applications, GreenCoat PLX Pural BT is available additionally.

GreenCoat Pural BT offers a coating that is optimized to resist weathering resulting in the highest UV ( $R_{uv}5$  for matt appearance) and corrosion classes (RC5+).

### SUSTAINABILITY THAT IMPROVES PERFORMANCE

GreenCoat Pural BT color coated steel uses a patented bio-based coating with Swedish rapeseed oil instead of traditional fossil oil in its paint. SSAB holds a worldwide patent for this coating technology (Bio-based Technology, BT).

### ROOFING BENEFITS

The highest durability and the greenest color coated steel on the market offer metal roofers and builders many advantages. However, many other factors make GreenCoat Pural BT a wise choice.



GreenCoat Pural BT provides:

- Nordic quality steel.
- Highest UV ( $R_{uv}5$  for matt appearance) and corrosion resistance (RC5+).
- A 50  $\mu\text{m}$ , Bio-based Technology (BT) coating for mechanical stress resistance.
- A highly sustainable solution for the market.
- The lowest thermal expansion of all roofing metals to avoid buckling or deformation, for years to come.
- Excellent forming properties enabling very demanding folding, down to  $-15\text{ }^{\circ}\text{C}$ .
- The highest level of durability with a 50-years technical guarantee and a 25-years aesthetical guarantee.
- Long color retention, easy maintenance and cost-efficient due to increased product life.
- Manufacturing in accordance to: EN 10169.



Photo front cover: Longhouse by Architecten Studio-pls, NL. Building photos page 2 and 3: © Ruukki Construction Oy

## 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 <sub>uv</sub> 4	R <sub>uv</sub> 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 <sup>2</sup>	275 g/m <sup>2</sup>
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

## A WIDE RANGE OF COLORS

GreenCoat Pural BT color coated steel is available in regular and matt finishes and offers a wide range of colors inspired by Nordic nature. The slightly structured surface complements modern architectural trends, helps protect against mechanical wear and is easy to handle during manufacturing.

## THOROUGHLY TESTED

GreenCoat Pural BT is the result of extensive product development collaboration involving consumer feedback, observing test results and utilizing the expertise of partners looking for

sustainable building products. The end result is a product that combines the vision to deliver high-performance for greener living.

## LEARN MORE

To find out more about GreenCoat Pural BT and other GreenCoat® premium products, go to: [www.ssab.com/GreenCoat](http://www.ssab.com/GreenCoat) or get in touch at: [greencoat@ssab.com](mailto:greencoat@ssab.com)

**SSAB** has manufactured products for the building industry for more than 50 years and is the pioneer and innovator of sustainable color coated steel products offering Swedish rapeseed oil in the coating. This unique, patented solution reduces the environmental footprint of GreenCoat® products significantly and makes the GreenCoat® color coated steel portfolio the market's greenest offering for roofs, façades and rainwater systems.

SSAB is a Nordic and US-based steel company offering value added products and services developed in close cooperation with its customers to create a stronger, lighter and more sustainable world. SSAB has production facilities in Sweden, Finland and the US and employees in over 50 countries. [www.ssab.com](http://www.ssab.com)

GreenCoat® is available in

**bimobject®**

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