

GREENCOAT[®]
COLORFUL STEEL



GreenCoat Crown BT

High color retention and durability for tile profiles and modular roofs

SSAB



Photos front cover: big photo: ©Johansson's Plåt, Sweden; Small photos: top right: ©Ruukki Construction; bottom left: ©Bratex Dachy; bottom right: ©Budmat. Building photo page 2: ©Bratex Dachy

GreenCoat Crown BT

The global demand for sustainable building material in combination with enhanced performance is on the rise. To address these modern trends, a superior color coated steel product with a lower environmental impact is now available – GreenCoat Crown BT.

Developed to withstand the harshest climates, ensuring high color retention and durability, GreenCoat Crown BT delivers unmatched performance in tile profiles, modular roofs and lock form roofs, where long lasting aesthetics is most important. It can also be used in sandwich panels and wall cladding as it keeps its good looks over time and will stand up well to corrosion.

GreenCoat Crown BT with a matt finish has excellent batch-to-batch color repeatability, making it the optimal choice for modular roofing. The result is that a roof can be covered with smaller modular roofing tiles for a uniform appearance throughout.

GreenCoat Crown BT combines good technical features like UV radiation (R_{uv3}) and corrosion resistance (RC4). The result is a high performance, yet easy forming building product for a wider range of roofing components, even in industrial and marine environments.

SUSTAINABILITY THAT IMPROVES PERFORMANCE

GreenCoat Crown BT offers a highly sustainable solution for the building industry. A substantial portion of the traditional fossil oil is replaced by Swedish rapeseed oil. SSAB holds a worldwide patent for this coating technology, which offers builders a level of sustainability found nowhere else on the market, in addition to enhanced performance. It also makes the GreenCoat® premium steel product range the greenest collection of color coated steel products for the building industry.

GreenCoat Crown BT, like all SSAB color coated products, also complies with current REACH regulations and is fully free of chromates. Steel is also 100% recyclable.



© Ruukki Construction

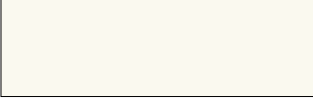



ROOFING BENEFITS

GreenCoat Crown BT is the result of a close collaboration with SSAB's paint suppliers to offer a higher level of color repeatability, especially with the matt finish, thanks to tight production windows. The additional benefits of high durability and being the most sustainable color coated steel on the market gives builders, architects and metal roofers a material that meets their needs. However, many other factors make GreenCoat Crown BT a wise choice.

GreenCoat Crown BT provides:

- Nordic quality steel.
- A highly sustainable solution for the market.
- Very good formability and resistance to mechanical wear.
- Good resistance against UV (R_{uv3}), corrosion (RC4) and dirt pick up.
- A 26 μm , Bio-based Technology (BT) coating where Swedish rapeseed oil is used.
- The lowest thermal expansion of all metals to avoid buckling or deformation, for years to come.
- Excellent batch-to-batch color consistency that is optimal for modular roofing in matt finish.
- Easy maintenance and cost-efficiency due to long product life.
- Coating guarantee up to 15 years.
- Compatibility with all standard profiling machines.
- Manufacturing in accordance to: EN 10169 + A1.

COLORS AVAILABLE

	Snow White RR19 / SS0001 Regular gloss		Walnut Brown RR32 / SS0387 Regular gloss and Matt
	Pebble Grey RR21 / SS0011 Regular gloss		Chestnut Brown RR887 / SS0435 Matt
	Anthracite Grey RR2H8 / SS0087 Regular gloss		Cottage Red RR29 / SS0758 Regular gloss and Matt
	Mountain Grey RR23 / SS0036 Regular gloss and Matt		Brick Red RR7F2 / SS0742 Regular gloss and Matt
	Slate Grey RR2H3 / SS0534 Matt		Pine Green RR11 / SS0830 Matt
	Nordic Night Black RR33 / SS0015 Regular gloss and Matt		Lake Blue RR35 / SS0558 Regular gloss

More colors are available. Please contact your local SSAB office for more information.

TECHNICAL PROPERTIES

Technical Properties	Regular	Matt
Color and gloss repeatability	Normal good level	Excellent level
Gloss	40	10
Minimum inner bending radius	1.5 x sheet thickness	1.0 x sheet thickness
Scratch resistance	25 N	25 N
UV radiation resistance	R _{uv} 3	R _{uv} 3
Corrosion resistance	RC4	RC4
Stain resistance	Very good	Very good
Highest operating temperature	100 °C	100 °C
Fire classification	A2 s1 d0	A2 s1 d0
Coating thickness, nominal	26 µm	26 µm
Primer thickness, nominal	6 µm	6 µm
Coating structure	Structured	Structured
Steel designation	S280GD, S320GD	S280GD, S320GD
Zinc coating	275 g/m ²	275 g/m ²
Min steel thickness	0.45 mm	0.45 mm
Steel width*	1000 - 1500 mm	1000 - 1300 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

GreenCoat Crown BT is available in regular gloss and matt finishes. The slightly textured appearance falls in line with modern architectural trends and the color offering, inspired by Nordic nature, has been developed based on feedback from leading architects and builders.

TRIED AND TESTED

GreenCoat Crown 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 Crown BT and other GreenCoat® premium steel products, go to: www.ssab.com/GreenCoat or get in touch at: greencoat@ssab.com

SSAB

SSAB has manufactured products for the building industry for more than 50 years and is the pioneer and innovator of creating sustainable color coated products offering Swedish rapeseed oil in the coating.

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

GreenCoat® is available in

bimobject

SSAB and its subsidiaries have taken care to ensure that the content of this publication is accurate. However, we do not accept responsibility or liability for errors or information that is found to be misleading. Suggestions for, or descriptions of, the end use or application of products or methods of working are for information only. SSAB and its subsidiaries accept no liability in respect thereof.

No part of this publication may be reprinted without explicit written permission by SSAB.

This brochure has been printed by a Nordic Swan Ecolabel certified printing company. This refers to a company that fulfils strict environmental requirements and has been granted a Nordic Ecolabel licence.



Nordic Ecolabel Printed Matter Licence No 3041 0027

SSAB

SE-78184 Borlänge
Sweden

T +46 243 700 00

F +46 243 720 00

greencoat@ssab.com

samples.greencoat@ssab.com

SSAB Europe Oy

Harvialantie 420
FIN-13300 Hämeenlinna
Finland

T +358 20 59 11

F +358 20 59 25080

greencoat@ssab.com

samples.greencoat@ssab.com

ssab.com/GreenCoat

Follow GreenCoat® on   

SSAB