



# *GreenCoat Crown BT*

*High colour retention and durability for tile profiles and modular roofs*



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## 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 colour coated steel product with a lower environmental impact is now available – GreenCoat Crown BT.

Developed to withstand the harshest climates, ensuring high colour 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 colour 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 ( $R_{uv}3$ ) 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 colour coated steel products for the building industry.

GreenCoat Crown BT, like all SSAB colour 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 colour repeatability, especially with the matt finish, thanks to tight production windows. The additional benefits of high durability and being the most sustainable colour 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 ( $R_{uv}3$ ), 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 colour 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.

## COLOURS AVAILABLE

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

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

## TECHNICAL PROPERTIES

| Technical Properties           | Regular               | Matt                  |
|--------------------------------|-----------------------|-----------------------|
| Colour 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 <sub>uv</sub> 3     | R <sub>uv</sub> 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 <sup>2</sup>  | 275 g/m <sup>2</sup>  |
| 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.

## COLOURS

GreenCoat Crown BT is available in regular gloss and matt finishes. The slightly textured appearance falls in line with modern architectural trends and the colour 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](http://www.ssab.com/GreenCoat) or get in touch at:  
[greencoat.uk@ssab.com](mailto:greencoat.uk@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 colour 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.co.uk](http://www.ssab.co.uk)

GreenCoat® is available in



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