GreenCoat Crown BT
High colour retention and durability for tile profiles and modular roofs
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 (Ruv3) 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.

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 (Ruv3), 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.

Photos front cover: big photo: ©Johanssons Pildt, Sweden; Small photos: top right: ©Ruukki Construction; bottom left: ©Bratex Dachy; bottom right: ©Budmat. Building photo page 2: ©Bratex Dachy
TECHNICAL PROPERTIES

<table>
<thead>
<tr>
<th>Technical Properties</th>
<th>Regular</th>
<th>Matt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour and gloss repeatability</td>
<td>Normal good level</td>
<td>Excellent level</td>
</tr>
<tr>
<td>Gloss</td>
<td>40</td>
<td>10</td>
</tr>
<tr>
<td>Minimum inner bending radius</td>
<td>1.5 x sheet thickness</td>
<td>1.0 x sheet thickness</td>
</tr>
<tr>
<td>Scratch resistance</td>
<td>25 N</td>
<td>25 N</td>
</tr>
<tr>
<td>UV radiation resistance</td>
<td>Ruv3</td>
<td>Ruv3</td>
</tr>
<tr>
<td>Corrosion resistance</td>
<td>RC4</td>
<td>RC4</td>
</tr>
<tr>
<td>Stain resistance</td>
<td>Very good</td>
<td>Very good</td>
</tr>
<tr>
<td>Highest operating temperature</td>
<td>100 °C</td>
<td>100 °C</td>
</tr>
<tr>
<td>Fire classification</td>
<td>A2 s1 d0</td>
<td>A2 s1 d0</td>
</tr>
<tr>
<td>Coating thickness, nominal</td>
<td>26 μm</td>
<td>26 μm</td>
</tr>
<tr>
<td>Primer thickness, nominal</td>
<td>6 μm</td>
<td>6 μm</td>
</tr>
<tr>
<td>Coating structure</td>
<td>Structured</td>
<td>Structured</td>
</tr>
<tr>
<td>Steel designation</td>
<td>S280GD, S320GD</td>
<td>S280GD, S320GD</td>
</tr>
<tr>
<td>Zinc coating</td>
<td>275 g/m²</td>
<td>275 g/m²</td>
</tr>
<tr>
<td>Min steel thickness</td>
<td>0.45 mm</td>
<td>0.45 mm</td>
</tr>
<tr>
<td>Steel width*</td>
<td>1000 - 1500 mm</td>
<td>1000 - 1300 mm</td>
</tr>
</tbody>
</table>

*Maximum steel thickness is 1.5 mm and maximum steel width depends on steel thickness.

COLOURS AVAILABLE

Snow White
RR19 / SS0001
Regular gloss

Walnut Brown
RR32 / SS0387
Regular gloss and Matt

Pebble Grey
RR21 / SS0011
Regular gloss

Chesent Brown
RR29 / 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 / SS0058
Regular gloss

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

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 or get in touch at: 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

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 fulfills strict environmental requirements and has been granted a Nordic Ecolabel licence.

Nordic Ecolabel Printed Matter Licence No 3041 0027

SSAB Swedish Steel Ltd
Narrowboat Way
Hurst Business Park
Brierley Hill
West Midlands
DY5 1UF
Phone: 01384 472300
Fax: 01384 775775
greencoat@ssab.com
samples@greencoat@ssab.com

SSAB
SE-781 84 Borlänge
Sweden
Phone: +46 243 700 00
Fax: +46 243 720 00
greencoat@ssab.com
samples@greencoat@ssab.com

ssab.co.uk/GreenCoat Follow GreenCoat® on  

ssab.co.uk/GreenCoat