GREENCOAT®
COLORFUL STEEL





GreenCoat PLX Pro BT

The best in sheet metal roofing technology for over 50 years





GreenCoat PLX Pro BT – a sustainable, highly formable colour coated steel for long strip roofing and façades that is workable at temperatures down to -15°C.

SSAB

Greener, better

– Premium steels and bio-based coating for enhanced product performance

Current building statistics show the growing demand for sustainable building material that also offers enhanced performance. To address these modern trends, a superior, sustainable colour coated steel product is available for sheet metal roofers – GreenCoat PLX Pro BT.

First developed over 50 years ago from the know-how and expertise of Swedish sheet metal roofers, GreenCoat PLX Pro BT withstands the harsh Nordic climate that is characterized by warm summers and cold winters. Known on the market as "the best for sheet metal roofing", GreenCoat PLX Pro BT enjoys an excellent reputation for its high quality and environmental benefits.

A 350g/m^2 zinc coating layer provides excellent corrosion protection and also allows for easy soldering. Among its numerous applications, GreenCoat PLX Pro BT can be used in long strip roofing, façades and for gutters and downpipes and is available in a wide range of attractive colours and finishes.



Sustainability with superior performance



Read more about GreenCoat®.
Visit our website at ssab.co.uk/GreenCoat to find out more about technical information, colour ranges and other useful material.

GreenCoat PLX Pro BT offers a highly sustainable solution for the building industry. It features a coating where 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 product range the most sustainable collection of colour coated steel products for exterior building applications like roofs, façades and rainwater systems.

Like all SSAB colour coated products, GreenCoat PLX Pro BT also complies with current REACH regulations and is fully free of chromates. Among all metals used in the building industry, steel is also 100% recyclable and has the lowest carbon footprint.

10 good reasons for using GreenCoat PLX Pro BT in roofing systems



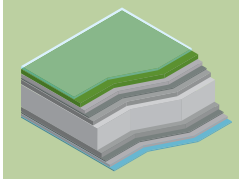
1. A wide range of applications

GreenCoat PLX Pro BT enables sheet metal roofers and architects to create roofs and façades with complex shapes and designs. Apart from conventional standing seam techniques used in roofing and façades, it can also be applied in the design of fascias and gutters. Additional fields of application include rainwater management window ledges, flashings, gutters and other roofing accessories.



2. Industrial manufacturing

SSAB closely monitors every stage in the manufacturing process – from casting the crude steel to the finished colour coated steel product. Thanks to our industrial production carried out under ideal conditions, premium, Nordic quality products are guaranteed. GreenCoat PLX Pro BT is available in both a regular and matt finish as well as in metallic colours.



3. Excellent corrosion resistance RC5

GreenCoat PLX Pro BT is coated on both sides with a zinc layer of 350 g/m2 and therefore offers excellent corrosion resistance (RC5). It is available in a thickness of 0.60 mm. Our patented, Bio-based Technology (BT) coating, made with sustainable Swedish rapeseed oil, is applied on the front side of GreenCoat® products, while the reverse side is coated with a two-layer limestone turquoise reverse coating.



4. Sustainable advantages

In terms of sustainability, GreenCoat® products are the best choice. Among all metals used in the building industry, steel is 100% recyclable and has the lowest thermal expansion of all metals for increased product life. In addition, in 2010, SSAB chose to go one step further and launched a Bio-based Technology (BT) coating where a substantial portion of the traditional fossil oil is replaced by Swedish rapeseed oil – something unique in the world.



5. Easy Installation

Forming and seaming GreenCoat PLX Pro BT is easy and standard metal roofing tools and equipment can be used. GreenCoat PLX Pro BT is even formable by hand and will not crack - even at temperatures down to -15°C. It has practically no spring back which provides for very tight folding. GreenCoat PLX Pro BT can be installed onto a warm or cold roof build-up. GreenCoat PLX Pro BT can be soft-soldered with our set.







6. Very good UV resistance $R_{uv}3$ and durability

By virtue of SSAB's state-of-the-art coating system, GreenCoat PLX Pro BT products have a coating layer thickness of 36 µm. This ensures the good colour retention properties of GreenCoat PLX Pro BT, but also makes them highly durable. Moreover, the soft steel that is manufactured in a special process also facilitates mechanical folding/bending and manual processing.



7. Cost efficiency and low maintenance

A low-maintenance roof with a long service life is certainly cost-efficient. See for yourself. Divide the procurement costs for roofing materials with GreenCoat PLX Pro BT standing seam roofing products by the expected useful life. You will see that GreenCoat PLX Pro BT is not merely a visually attractive solution.



8. Premium Nordic quality guaranteed

At SSAB, we closely monitor every stage throughout the entire manufacturing process. It is this commitment that enables us to offer a 20-year coating guarantee on GreenCoat PLX Pro BT products. On the reverse side, every sheet bears the label "GreenCoat® – SSAB original quality", which also serves as the seal of quality. Furthermore, every individual sheet can be traced.



9. Longer product life

The longer the life of your roof, the lower the costs. The unique properties of GreenCoat PLX Pro BT products ensure surface resistance against scratching and UV radiation, providing the ideal basis for guaranteeing long life and improved cost efficiency.



10. Attractive colours

GreenCoat PLX Pro BT is available in attractive colours ranging from conventional natural shades to contemporary metallic tones. All colours are based on modern architectural trends. The colour offering is inspired by Nordic nature and developed based on feedback from leading architects and builders.

Attractive colours – inspired by Nordic nature

GreenCoat PLX Pro BT is available in a wide range of colours and finishes

Snow White
RR19 / SS0001

Quarry Grey
RR287 / SS0244

Anthracite Grey
RR2H8 / SS0087

Nordic Night Black
RR33 / SS0015

Brick Red
RR7F2 / SS0742

Cottage Red
RR29 / SS0758

Acorn Brown
RR827 / SS0434

Leaf Green
RR594 / SS0874

Silver Fir Green
RR5J3 / SS0975

Metallic Silver
RR40 / SS0045

Metallic Dark Silver
RR41 / SS0044

Metallic Sterling
RR974 / SS6045

Metallic Gold
RR042

Metallic Copper
RR979 / SS0778

The images shown only serve as examples and do not guarantee an exact reproduction of the original colours and finishes.
We recommend that you order your colour sample for correct reproduction at samples.greencoat@ssab.com

GreenCoat PLX Pro BT – lowest thermal expansion of all metals

Sheet metal roofers generally implement the practice of indirectly fastening sheets so as to allow for inevitable thermal expansion in length (linear expansion). This is done to prevent buckling and deformation in roofs and façades. Therefore, the use of materials with a low expansion coefficient is certainly advantageous. With 0.012 mm/m x k, GreenCoat PLX Pro BT offers an approximately 50% lower expansion coefficient in contrast to all other metals. This property allows for longer profiles/sections (see technical guidelines) and prevents buckling and deformation for many decades to come. GreenCoat PLX Pro BT - for increased product life of roofs and façades.

Construction metal	**Cu**	**Zn**	**Al**	**Stainless Steel**	**GreenCoat PLX Pro BT**	**Pb**
Coefficient of expansion in mm/m x k	0.017	0.022	0.024	0.016	0.012	0.029



Rigorous outdoor testing

Over 40 years of extensive outdoor testing at sites located world-wide ensure that GreenCoat® products withstand the harshest weather conditions like wind, rain, snow, saltwater, ice, UV radiation, high humidity and storms.

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. This unique, patented solution reduces the environmental footprint of GreenCoat® products significantly and it makes the GreenCoat® colour coated product 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**

GreenCoat® is available in

bimobject®

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SSAB Swedish Steel Ltd
Narrowboat Way
Hurst Business Park
Brierley Hill
West Midlands
DY5 1UF

Phone: 01384 74660
Fax: 01384 77575
greencoat.uk@ssab.com
samples.greencoat@ssab.com

SSAB's sales representative for
GreenCoat PLX Pro BT products in UK:

Metal Solutions Ltd
Opal Works
Sofa Street
Bolton
BL1 4QE

T 01204 491800
sales@metalsolutions.uk.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.co.uk/GreenCoat Follow GreenCoat® on

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