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www.ssab.co.uk/GreenCoat
Creating innovative roofs and façades begins with Swedish rapeseed oil.

Find out why!
Creating innovative roofs and façades begins with Swedish rapeseed oil.

Find out why!
This is GreenCoat.

GreenCoat® is the brand for innovative, sustainable colour coated steel solutions for roofs, façades and rainwater systems.

GreenCoat® products are developed specifically to provide roofs and façades with superior aesthetics and long-lasting performance. They give builders and architects new possibilities for creative and innovative buildings, while using the most sustainable colour coated steel products on the market.

Take a look at how GreenCoat® came to be, and find out why creating innovative roofs and façades begins with Swedish rapeseed oil.
Bio-based Technology (BT)

There are many things that set GreenCoat® apart from other building materials. One of the most important is sustainability.

Most GreenCoat® products feature a Bio-based Technology (BT) coating which uses a substantial portion of Swedish rape-seed oil instead of traditional fossil fuel oils.

This unique, patented solution from SSAB reduces the environmental footprint significantly – and it makes the GreenCoat® colour coated steel product portfolio the market’s greenest offering for roofs and façades.
The GreenCoat BT story – the idea is born

What started in 2002 as just an idea has resulted in bringing major environmental changes to the building industry.

At the time, the greenest step that the industry had taken was to begin removing chromate from paint systems for colour coated steel products, something that is now standard. For the global steel company SSAB, this was not enough. SSAB researchers and engineers believed that future market demands would place even more focus on the environment.
The GreenCoat BT story – continued

Therefore, the idea was to create a better colour coating made from natural sources: one that provides real environmental benefits, and even better performance.

GreenCoat BT became a reality after:

• Over ten years of development and outdoor testing in harsh climates
• Six peer-reviewed scientific papers
• One Ph.D. thesis
• Over ten conference presentations
• One worldwide patent
Protective film (optional)
Top coat
Primer
Pre-treatment
Zinc
Steel
Zinc
Pre-treatment
Primer
Reverse coat

GREENCOAT® LAYERS ILLUSTRATION
Why steel?

Steel in buildings is nothing new. GreenCoat® steel products are easy to form, are less prone to buckling and other undesired deformations and will keep their uniform look for years to come.

When it comes to sustainability, steel is one of the few materials that offer a 100 per cent closed recycling loop – without the creation of hazardous waste. Steel is also easy to repurpose and reuse, and emits less CO$_2$ during its production than other common building materials like aluminium.

Steel is also preferable to other metals when it comes to building. Many governments prohibit the use of non-ferrous metals like zinc and copper in buildings due to the risk of soil contamination when these metals are washed into the ground by rain.
GreenCoat® products provide high colour retention and long-lasting finishes that resist corrosion and UV radiation, as well as scratches and the build-up of dirt.

This is ensured through numerous outdoor testing sites located in harsh environments across the world. Over 10,000 panels of GreenCoat® colour coated steel have been exposed year-round to harsh climates and conditions including salt water, snow, ice, rain, UV-radiation, high humidity, wind and storms.
A wide range of colours for GreenCoat® products

Vibrant and made to last – GreenCoat® products are available in more than 400 colours. The opposite page shows our 28 top colours, collected from architects, builders and partners. Each has been carefully selected based on modern building and design trends.

We recommend that you order your GreenCoat® sample for correct colour reproduction at: samples.greencoat@ssab.com.

If you have specific colour requests, please get in contact with us.
HYBRIT – Fossil-free steel

In line with Sweden’s goal to become a carbon-neutral country by 2045, SSAB is also committed to the sustainable production of steel. In addition to using a high percentage of recycled material when producing steel, SSAB is a member of the joint venture HYBRIT project, which aims to revolutionise the steel industry with fossil-free steel by 2035.

In 2016, SSAB, LKAB and Vattenfall joined forces to create HYBRIT. This project aims to replace coking coal, traditionally needed for ore-based steel making, with hydrogen. The result will be unique: the world’s first fossil-free steel making technology, with virtually no carbon footprint. As a result, the by-product from steel making would be water, not carbon dioxide.

In June 2018, construction work for the pilot plant started in the Swedish town of Luleå, with completion expected to be in 2020.
Produkten bedömd i SundaHus Miljödata

REACH

BASTA

BYGGVARU BEDÖMNINGEN
SSAB actively tracks and anticipates future changes in environmental, safety and chemical legislation and complies with valid chemical regulations. GreenCoat® colour coated steel products are fully free of chromates and in compliance with the following regulations:

- REACH regulations
- CLP (1272/2008/EC)
- SundaHus
- BASTA (2017:A1)
- Byggvarubedömningen (Building Material Assessment, BVB, 2013)
- Swedish Building Product Declarations (Föreningen för Byggvarudeklarationer, BPD 3, 2007)
GreenCoat® in award-winning architecture

Tin House, London
Architect: Henning Stummel, Henning Stummel Architects Ltd.

Award-winning architect Henning Stummel’s “Tin House” utilises GreenCoat® colour coated steel for the entire façade and roof of the building. It was chosen for the unique sustainable and aesthetic benefits. The final result has gained international attention.

The Tin House is currently awarded and nominated for:

- 2017 House of the Year, AJ Architecture Awards
- 2017 Winner Iconic Awards
- 2017 Short-listed BD’s Architect of the Year Awards, UK – Individual House
- 2016 Winner RIBA London Award
- 2016 Short-listed World Building of the Year, WAF
- 2016 Short-listed RIBA National House of the Year
- 2016 Short-listed Stephen Lawrence Prize
Skýli, Sweden
Architect: UTOPIA Arkitekter

Skýli is a proposed mountain trekking cabin with a strong sustainable angle. It will feature a brilliant blue roof, which will be made from sustainable GreenCoat® colour coated steel. The chosen colour and distinct roof represents the Nordic light and ensures that Skýli is visible in the Nordic landscape.

GreenCoat® in award-winning architecture

Skýli is nominated for:
2017 Short-listed World Architecture Festival 'Leisure-led Development - Future Projects'
Longhouse, Netherlands
Architect: Rick Eijsbouts, Architecten Studio-pls

The “rustic modern” Longhouse features a roof made from GreenCoat® colour coated steel, which was chosen for a number of reasons. One of them was the ability to create sharp lines for a very graphical house. Other reasons were proven long-lasting durability as well as sustainability.

GreenCoat® in award-winning architecture

Longhouse is nominated for:
2017 BNA Building of the Year Award

Other acknowledgements:
2018 Featured on Dutch TV programme BinnensteBuiten
GreenCoat® in award-winning architecture

Baltic Station Market, Estonia
Architect: Andrus Kõresaar, KOKO architects

The renovated Baltic Station Market features a grandiose saw-tooth roof with a gradual longitudinal section. KOKO architects chose to use long strip panels of sustainable GreenCoat® colour coated steel in order to withstand the 50 cold cycles per year in Tallinn and ensure a long product life. It also allowed for a very visual roof, while providing significant environmental benefits.

Baltic Station Market is awarded and nominated for:
- 2019 Mies van der Rohe Award / Nominated
- 2018 World Architecture Festival (WAF) / Old and New / Short-listed
- 2017 EAACEC Construction Project of the Year
In choosing sustainable GreenCoat® colour coated steel for the roof and façade of Fjärilen (the butterfly), architect Rahel Belatchew was able to create a striking monochrome, architectural hub that joins the surrounding buildings of the neighbourhood.
GreenCoat® in award-winning architecture

Fernaig Cottage, UK
Architect: Pedder & Scampton Architects, Gillian Scampton and Hopkins Architects, Andrew Barnett

GreenCoat® colour coated steel was chosen for the roof of this highly acclaimed refurbished cottage that is now a comfortable three-bedroom home with environmentally sound technologies and a modern design.

Fernaig Cottage is currently awarded and nominated for:
- 2017 Long-listed RIBA House of the Year
- 2017 Winner Royal Incorporation of Architects in Scotland (RIAS) Awards
- 2017 Winner Resource Efficiency Award
- 2017 Highly Commended British Homes Award
- 2017 Short-listed Manser Medal
- 2017 Short-listed AJ Retrofit Award
- 2017 Short-listed Sunday Times

Other acknowledgements:
- 2017 Shown on Grand Designs series TV programme
GreenCoat® in award-winning architecture

House KD, Sweden
Architect: GWSK Arkitekter, Stockholm; Timo Karasalo

House KD, with its “modern barn” typology, features a maintenance-free, corrugated roof made from GreenCoat® colour coated steel. High durability and a low environmental footprint were the main factors that went into the choice of material.

House KD is currently nominated for:
2017 Short-listed World Architecture Festival (WAF) Awards
The way forward

GreenCoat® colour coated steel products inspire creativity and quality in architecture, while limiting a building’s impact on the environment. They are easy to work with, provide long-lasting surfaces for any weather and are available in a wide range of colours.

Get to know GreenCoat® even better by visiting:
www.ssab.co.uk/GreenCoat

Or get in touch with SSAB at:
greencoat.uk@ssab.com

Order GreenCoat® colour samples at:
samples.greencoat@ssab.com

GreenCoat® is available in

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About 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 U.S.-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 U.S. and employees in over 50 countries.

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