



GreenCoat® - color coated steel sheets and coils

Environmental Product Declaration (EPD), ISO 14025 February, 2018



GENERAL INFORMATION

Owner of environmental product declaration	SSAB Europe Oy, Harvialantie 420, FIN-13300 Hämeenlinna, Finland
Product	GreenCoat® color coated steel sheets and coils
Producer	SSAB Europe
Production site	SSAB's Hämeenlinna and Kankaanpää sites, Finland and Finspång site, Sweden
Declared unit	1 kg of steel structures
Date declaration was issued	November 28, 2014*
Valid until	November 28, 2019

This environmental product declaration includes several different GreenCoat® color coated steel sheets and coils, and the results of environmental indicators declared in this declaration are average values for these products. The information in this environmental product declaration is based on production data for 2012. CEN standard EN 15804 serves as the core PCR.

Independent verification of the declaration, according to EN ISO 14025:2010

External

Internal

Third party verifier

Thomas Andersson, Insinööritoimisto Ecobio Oy

This environmental product declaration provides information about the products referred to. The declaration is based in the requirements of standards EN 15804+A1:2014, ISO 14025:2010 and ISO 14040:2006. An environmental product declaration contains information about the raw materials, energy consumption, emissions originating during production, and about product recyclability. Unless otherwise stated, the product information is based on steel manufactured at SSAB's steel mill in Raahe (Finland).

SSAB specializes in premium steel and steel construction. SSAB's corporate responsibility is defined in the company's vision, strategy, values Code of Ethics, policies and management system. SSAB's production sites operate in conformance with certified ISO 14001 environmental management and ISO 9001 quality management systems. SSAB aims at continuous improvement and energy efficiency in all operations and customer solutions.

The most recent information about SSAB's products and services, product safety and use and environmental and corporate social responsibility can be found on the company's website at www.ssab.com.

PRODUCT

TECHNICAL INFORMATION AND APPLICATION

GreenCoat[®] color coated steel products are used in the building industry, electrical, electronics and engineering industries. GreenCoat[®] products are highly resistant to corrosion, UV radiation as well as scratches. They provide builders with a lightweight material that is easy to work with even down to -15 °C.

Most of our GreenCoat[®] products feature a Bio-based Technology (BT) coating with a substantial portion of the traditional fossil fuel replaced by Swedish rapeseed oil. This patented solution reduces the environmental footprint of GreenCoat[®] products. With its color coating, full recyclability, compliance with REACH regulations and numerous environmental certifications, GreenCoat[®] stands at the forefront of sustainable building solutions.

GreenCoat[®] products are available in a wide variety of attractive colors and finishes. Typical thickness range is from 0.45mm to 1.5mm, but availability depends on product and width in concern. GreenCoat[®] color coated products are all manufactured according to EN10169.

Color coated steel roofing products

- GreenCoat Pural BT extremely durable product with very scratch resistant coating for roofing applications.
- GreenCoat Pro BT highly durable roofing product with optimized properties for tiles and profiles
- GreenCoat PLX Pro BT, GreenCoat FAP Pro BT specially developed high-end products for tinsmith applications.
- GreenCoat PLX Legacy tinsmith product with special surface to be painted directly after installation.
- GreenCoat Mica BT roofing product with exclusive, glittery surface.
- GreenCoat Crown BT roofing product with optimized properties for tiles and profiles.
- GreenCoat Purex A modern product with optimized properties for tile profiles and modular roofing
- GreenCoat Cool roofing product with heat reflecting properties.
- Rough Matt Polyester roofing product with rough appearance and good profiling properties.
- Polyester standard product for roofing, façade and walls.

Color coated steel façade products

- GreenCoat Hiarc, GreenCoat Hiarc Max extremely durable product for high quality façades.
- GreenCoat Hiarc Cool façade product with heat reflecting properties.
- GreenCoat Anti-Graffiti BT a product from which graffiti is easy to remove.
- GreenCoat Pural Farm BT highly durable product for agricultural buildings.

Color coated steel rainwater system products

• GreenCoat RWS - double sided, high quality product for rainwater systems.

Color coated steel indoor products

- GreenCoat FoodSafe BT product for food handling environments.
- **Polyester Indoor** product with wide range of special colors and glosses for indoor applications.
- Structured Polyester product with excellent wear resistance for metal fabrication industry.
- Energy Interior product with heat reflective coating for interior walls and ceilings.
- Epoxy product with excellent adhesive bonding properties used for sandwich panels for indoor applications.
- Laminate FoodSafe product with excellent scratch resistance properties for food safe industry.

PRODUCT COMPOSITION

Steel characteristics

The base material in color coated steel consists of steel, which is typically coated with a thin zinc layer. Steel is an alloy of mainly iron and carbon, with small amounts of other elements used as alloying elements. These elements improve the chemical and physical properties of steel such as strength, formability and weldability. The steel is chosen with properties that will best suit the end product. For structural steel applications this follows standardized mechanical properties according to EN 10346. For applications where the steel should be formable in a demanding way or the product should be worked with by tinsmiths, extra formable steels are used.

Zinc coating

The zinc coating, Z100-350 g/m² is lead-free and it protects the steel from corrosion in two ways. It is a protective layer keeping oxygen and water away from the steel, but it also acts as a cathodic protection. This means that at cut edges or in case of damages through the zinc coating, the zinc will sacrifice itself and react to form protective compounds and block further corrosion processes. The zinc coating covers the steels on both sides.

Pre-treatment and color coatings

The pre-treatment layer is applied to further improve the corrosion resistance, but also to give a good adhesion to the coating layer. The primer layer is used for corrosion protection with corrosion protective additives and also acts to give a good adhesion to the top coat. The top coat type is chosen to best fit the purpose of the application. It can be chosen to serve in different environments and also offer different appearances.

TABLE 1. EXAMPLE OF THE GREENCOAT HIARC COMPOSITION.

Material	Content (%) of total product weight	Name of ingredient	Maximum content % (W/W)	Content (W/W) of total product weight	CAS number
Hot-dip galvanized steel thickness: 0.5mm	98.2	Steel	98.2		
		Iron (Fe)		88.3	7439-89-6
		Manganese (Mn)	1.70	1.7	7439-96-5
		Silicon (Si)	0.6	0.6	7440-21-3
		Carbon (C)	0.2	0.2	7440-44-0
		Zinc layer			
		> 99% Zinc (Zn)	6.2	6.1	7440-66-6
Coatings:	1.8	Other elements	100	3	

Remarks

Physical state:	solid
Odor:	odorless
Color:	metallic grey
Boiling point:	2750°C
Melting pint:	1450-1520°
Steel density:	7850 kg/m ³
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More detailed information about the composition of different steels is available from national and international standards as well as from SSAB's website, at www.ssab.com. The values provided are based on European Standards EN 10219-1, EN 10025-2, EN 10025-3, EN 10025-4, EN 10025-6, EN 10130, EN 10268, EN10346 and EN 10169 requirements on maximum concentrations.

Measurements are done to a level of 0.02 µg/g (0.00000002%). Concentrations below this degree of measuring accuracy cannot be determined. The concentrations of chemical elements – such as zirconium (Zr), magnesium (Mg), cobalt (Co), arsenic (As), cadmium (Cd), zinc (Z), lead (Pb), antimony (Sb) and tin (Sn) – appearing as impurities in steel are very small. None of the constituent substances within the whole product exceeds the limits of the EU's chemical regulation (REACH) and recommendations phasing out hazardous substances in the building sector such as the requirements of BASTA (2014:A2) and Bygyarubedömningen (Building Material Assessment, BVB, 2013), Swedish Building Product Declarations (Föreningen för Byggyarudeklarationer, BPD 3, 2007) and the priority list in Norway. No product contains substances restricted under REACH or included on the candidate list (SVHC).

This is also the layer that gives the final product its color.

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The reverse side of the sheet is typically painted with a two-layer grey backside coating which further enhances the corrosion resistance of the product. The reverse side coating is optimized to give a good adhesion in adhesive bonded or foam filled sandwich panels. If particular technical or aesthetic requirements are set for the reverse side, the coating can be selected accordingly. In reverse side our GreenCoat® steel products are marked with a text that identifies GreenCoat® and SSAB as the original manufacturer.

All SSAB color coated products are chromate-free. Table 1 shows a summary of the composition of GreenCoat Hiarc in normal production (excluding packaging materials). The exact composition of steel varies according to material standards and customer requirements. This information given is based on cold rolled steel produced at SSAB's sites in Finland.

Typical chemical content of SSAB color coatings are presented in table 4. In table the content is informed if it is minimum 0.1% from products weight. The weight has calculated from color coated 0.45 mm steel with Z100.

COMPLIANCE WITH CHEMICAL LEGISLATION

SSAB actively tracks and anticipates future changes in environmental, safety and chemical legislation and complies with valid EU chemical regulations, such as REACH (1907/2006/EC) and CLP (1272/2008/EC). Communication and cooperation throughout the supply chain plays an important role and SSAB requires full REACH compliance from its subcontractors. SSAB tracks the list of Substances of Very High Concern (SVHC) and other legislative requirements to ensure products meet legal and customer requirements. In addition, SSAB observes and complies with the requests and recommendations of many customers to withdraw products containing hazardous substances in the customer sector.

Where the concentration % (w/w) in a product of substances restricted under the EU's chemical regulation (REACH) and recommendations phasing out hazardous substances in the building sector such as the requirements of BASTA (2014:A2) and Byggvarubedömningen (Building Material Assessment, BVB, 2013) in Sweden and the priority list in Norway exceeds or corresponds to the limits referred to above, this is stated in Table 1. The guidelines for Swedish building product declarations (Föreningen för Byggvarudeklarationer, BVD 3, 2007) have been taken into account with regard to the substances disclosed. Steel contains very small amounts of impurities originating from natural raw materials and not added during the steel production process. The amount of impurities in the steels is minimal and, based on knowledge of the toxicity of these substances and their metallurgical bond in the steel matrix, does not pose a risk to the environment or human health.

GREENCOAT® IN AWARD-WINNING ARCHITECTURE The Skýli trekking cabin was shortlisted for the World Architecture Festival 2017 and received huge global interest due to its appearance and sustainability angle. Utopia Arkitekter (Sweden)

TABLE 2: OCCUPATIONAL EXPOSURE LIMITS VALID IN FINLAND.

Element	Occupational exposure limits (OEL), 8 h (mg/m ³)
Iron oxide, vapor, (Fe)	5
Zinc oxide, vapor	5
Chromium (II, III) alloys*	0.5

* the product is chromate-free.

PRODUCTION

PRODUCTION SITES

GreenCoat[®] color coated steel sheets and coils in accordance with this environmental product declaration are manufactured at SSAB's Hämeenlinna and Kankaanpää sites in Finland, and the Finspång site in Sweden. Cold rolled and metal coated steel products are used as the raw material for SSAB's color coated steel products and are made at SSAB's Hämeenlinna site. Hot rolled steel coils usually made at SSAB's steel mill in Raahe are used as the raw material for cold rolled and metal coated steel. Production of the hot rolled steel used as the raw material is based on the use of iron ore as a raw material. However, an average of 20% scrap steel is used in the steel production as well. The use of raw materials and energy has been optimized in steel production.

When steel scrap is used instead of virgin raw materials in iron production, the carbon dioxide emissions originating in steel production decrease accordingly. Steelmaking at SSAB Raahe production uses scrap material from SSAB's own production processes and material sourced from the steel scrap market. Once steel has been made, it can be recycled endlessly without weakening its properties.

Most of the energy used in ore-based steel production comes from coal, which is used as a reducing agent in ironmaking. The mineral products formed in iron and steel production processes are recycled as industrial raw material or material to replace virgin resources. A high percentage of the dust originating in various processes is returned to the process to reduce waste and improve material efficiency.

LABELING AND PACKAGING

GreenCoat[®] products are labeled so as to be easily and permanently identifiable and traceable. Labeling complies with standards EN 10021 and EN 10204. The packaging and protection of our steel products is usually determined when ordering. Strap bands, wood props, corner protection and other accessories supporting packaging are used as appropriate and according to customer requirements. Paperboard or polyethylene film is usually used as the packaging material for cut lengths. The bundles including wooden props are fastened with metal bands. Coils are delivered fastened without a base, protected by paperboard, wrapping paper or corrugated plastic and plastic end rings, metallic corner protection and binding straps.

SOURCING AND TRANSPORTATION

The general terms and conditions of all sourcing contracts require compliance with SSAB's Supplier Sustainability Policy. Ethical values, environmental concerns and energy efficiency are weighed up when choosing suppliers. As regards the main raw materials used in steel production at Raahe (Finland), limestone is shipped from Sweden, coal from North America and Australia, iron ore pellets are shipped from Sweden or come by rail from Russia. Finished products are transported by sea, road or rail combined. The company's own logistics unit is responsible for most of SSAB's transportation of raw materials and products.

SSAB's environmental concerns in respect of logistics are managed through a certified environmental management system. The aim is to increase the share of logistics contracts with partners who have signed up for energy efficiency agreements in the logistics and transport sector. Around 85% of SSAB's land transportations per tonne of products are carried by a partner signatory to energy efficiency agreements. Logistics companies outside an energy efficiency agreement are regularly encouraged to sign up to one. SSAB's international partners have certified environmental management systems. Logistics aims to optimize transport and maximize payloads and to combine transport as efficiently as possible.

RECYCLING AND WASTE PROCESSING

Steel is a fully-recyclable material and steel scrap has a strong market position: steel recovered from structures and endproducts at the end of their lifecycle is efficiently re-used to make new steel.

No hazardous waste is formed from the end-products and steel does not harm the environment. According to the European Waste Catalogue, the waste code for steel products manufactured by SSAB after their useful life is 17 04 05 (iron and steel). Most of packaging materials for steel products can be recycled or reused.

INFORMATION ABOUT SAFE USE

Steel poses no hazards to the environment in the forms supplied. Some steel grades contain alloying elements such

as manganese, chromium, nickel, copper and silicon. None of these substances is released under normal or reasonably foreseeable conditions of use.

Dust and vapors may form when steel is melted, welded, cut or ground (or heated to very high temperatures). Longterm exposure to high dust and vapor concentrations may affect the health, especially the lungs. The composition of dust and vapor depends on the steel grade and methods employed.

Welding must be left to trained people. Personal protective equipment must be used and sufficient ventilation must be ensured in compliance with safety legislation. Instructions on the welding of metals and metal alloys can be found on the website of, for example, the European Steel Association www.eurofer.org.

Steel handling does not endanger people or the environment and there are no specific exposure limits in place for this reason. Neither have any first aid measures, measures in the event of fire or unintentional emission, or measures as regards the handling and storage of steel been specified. However, some occupational exposure limits have been specified for steel alloys and compounds. Exposure is minor when total dust concentration is below 5 mg/m³. Table 2 shows the occupational exposure limits valid in Finland.

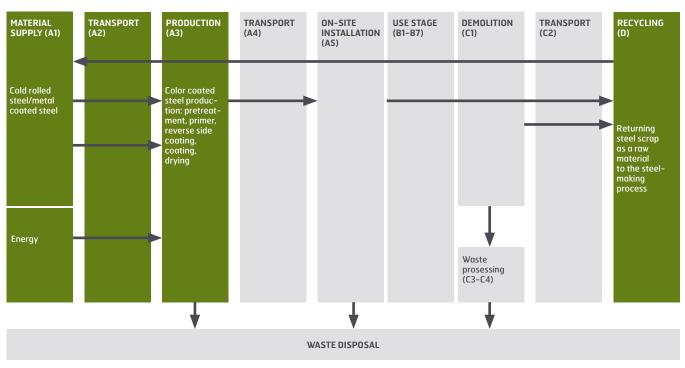
Normal precautions should be taken to avoid physical inju-

ries caused mainly by heavy products or sharp edges. Personal protective equipment such as special gloves and eye protection must be worn.

Color coated steel is not classified as dangerous under the EU's chemical regulation (REACH) and so Safety Data Sheet or hazardous packaging, marking or transport rules and regulations are not required.

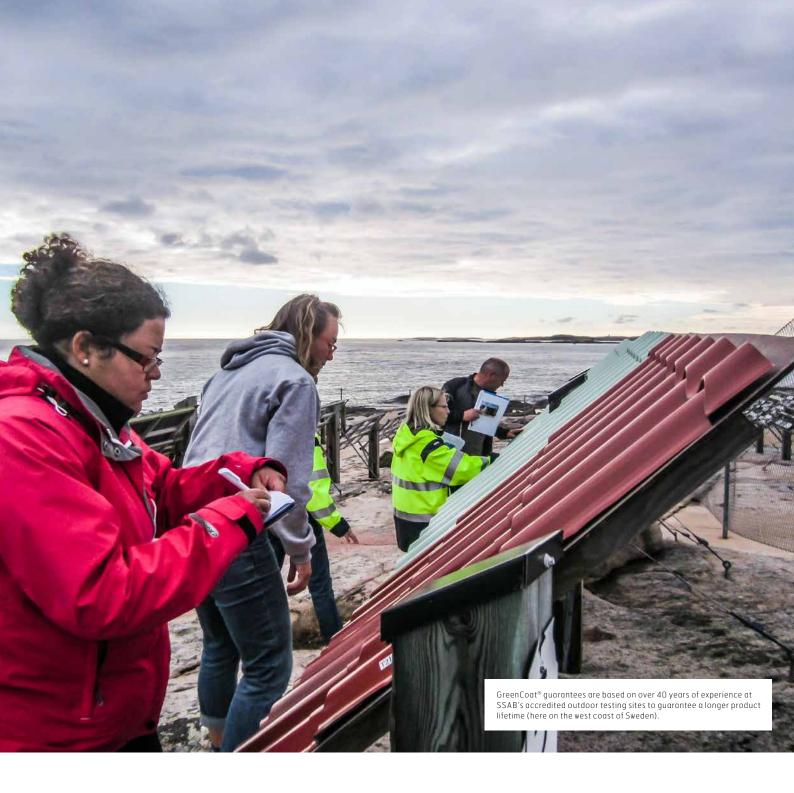
SAFETY

- Always wear gloves and protective clothing when handling steel products.
- Be careful of sharp edges and corners.
- Always use official lifting equipment when moving steel products.
- Never use binding straps to lift a product.
- Straps under tension may cause injury when cut and the outer ring of a coil may rebound outwards.
- Never go under steel products when they are being moved.
- Make sure the securing straps are sufficiently strong and firmly attached.
- Always follow the industrial safety provisions in force and find out whether the installation site is subject to any particular requirements regarding safety before beginning installation work.



PICTURE 1: SYSTEM BOUNDARIES OF LIFECYCLE ASSESSMENT.

The chart describes the lifecycle stages of steel structures. Lifecycle assessment excludes the lifecycle stages in a grey background.



ENVIRONMENTAL PROFILE

This environmental product declaration covers the lifecycle of the product from cradle to factory gate, including an end-oflife recycling rate of 90 % for steel, i.e. the external lifecycle impacts ("cradle to gate with options"). This means that a burden is allocated to the steel scrap that is used as an input to the steel making process, and a credit for the End-of-Life (EoL) steel that is recycled. The lifecycle assessment in the environmental production declaration does not include information in the building stage, the use and operational stage nor the demolition stage.

The impact of recycling has been calculated based on the World Steel Association's LCA model so that the compensation is the difference between the primary and secondary production of a steel slab perceived with the acquisition of the recycling process. 1.092 kg of recycled steel is needed to produce 1 kg of steel in secondary production. An average of 20% steel scrap is used in steel production at the Raahe steel mill. The benefits and loads of the steel scrap used by a steel mill are accounted inside the World Steel Association's LCA model boundary. To avoid double calculation, these are not reported again separately as use of secondary material.

The lifecycle benefits of the by-products originating in steel production have been allocated to steel production in accordance with World Steel Association's LCA model. Allocation of by-products is calculated as reducing environmental impacts in the production of hot rolled steel by 5-10%, and an average of 8%.

All values apply to 1 kg of color coated steel produced at SSAB's Hämeenlinna site. Table 3 below shows the environmental indicators based on the lifecycle assessment of SSAB's color coated steel sheets and coils.

TABLE 3: ENVIRONMENTAL PROFILE OF GREENCOAT COLOR COATED STEELS.

Parameter	Unit	Product stage	Benefits and loads beyond the system boundary
		Raw material supply and manufacture of steel product	Re-use, recovery, recycling potential
Parameters describing environmental impacts			
GWP Global warming potential	kg CO ₂ equiv.	2.81	-1.32
ODP Depletion potential of the stratospheric ozone layer	kg CFC-11 equiv	1.01x10 ⁻⁸	4.14 x10 ⁻⁸
AP Acidification potential of soil and water sources	kg SO ₂ equiv	6.62 x10 ⁻³	-2.07 x10 ⁻³
EP Eutrophication potential	kg (PO₄)⁻³ equiv	6.74 x10 ⁻⁴	-9.16 x10 ⁻⁵
POCP Formation potential of tropospheric ozone	kg ethene equiv	6.29 x10 ⁻⁴	-6.52 x10 ⁻⁴
ADP-elements Abiotic depletion potential	kg SB equiv	2.01 x10 ⁻⁴	-1.32 x10 ⁻⁵
ADP-fossil fuels Abiotic depletion potential	MJ, net calorific value	30.2	-13.9
Parameters describing resource use and primary energy			
Use of renewable primary energy used as energy carrier	MJ, net calorific value	1.28	0.82
Use of renewable primary energy resources used as raw material	MJ, net calorific value	0	0
Total use of renewable primary energy resources	MJ, net calorific value	1.28	0.82
Use of non-renewable primary energy used as energy carrier	MJ, net calorific value	20.2	-1.1
Use of non-renewable primary energy used as raw material	MJ, net calorific value	11.6	-11.3
Total use of non-renewable primary energy resources	MJ, net calorific value	31.8	-12.4
Use of secondary material	kg	-	-
Use of renewable secondary fuels	MJ, net calorific value	-	-
Use of non-renewable secondary fuels	MJ, net calorific value	-	-
Net use of fresh water	m ³	1.94 x10 ⁻²	-3.40 x10 ⁻³
Other environmental information describing waste categorie	es		
Hazardous waste disposed	kg	0.12	0.02
Non-hazardous waste disposed	kg	4.18 x10 ⁻⁴	3.70 x10 ⁻²
Radioactive waste disposed	kg	6.83 x10-4	4.44 x10-4
Other environmental information describing output flows			
Parameter	Unit	Product stage total	
Components for re-use	kg	-	
Materials for recycling	kg	-	
Materials for energy recovery	kg	-	
Exported energy	MJ per energy carrier	0.04	



TABLE 4: TYPICAL CHEMICAL CONTENT OF COLOR COATINGS (=cured paint coatings or glued laminate foil). WEIGHTS ARE CALCULATED WITH 0.45 MM STEEL WITH ZINC COATING Z100.

Polyester binders (saturated) 0.4 Polyurethane binders 0.2 Organic binders Epoxy* 0.0 Other organic binders 0.0	1.2 0.4
Organic binders Epoxy* 0.0	0.4
Other organic binders 0.0	0.4
	0.1
Natural oil alkyd esters (BT) Yes	Yes
GreenCoat Pural BT, GreenCoat TSP Pural BT, GreenCoat FAP Pural BT, O.O	0.7
Other pigments 0.1	0.3
Filler materials Organic fillers 0.0	0.0
Inorganic fillers 0.0	0.2
Organic additivies 0.0	0.0
Nanoparticles 0.0	0.0
Polyester binders (saturated) 0.3	1.5
Other organic binders 0.0 Organic binders	0.4
Epoxy* 0.1	0.1
Natural oil alkyd esters (BT) Yes	Yes
GreenCoat Pro BT, GreenCoat PLX Pro BT, D.O. Titanium dioxide 0.0	0.4
GreenCoat FAP Pro BT Other pigments 0.0	0.1
Filler materials Organic fillers 0.0	0.1
Inorganic fillers 0.0	0.2
Organic additivies 0.0	0.0
Nanoparticles 0.0	0.0
Polyester binders (saturated) 0.4	1.0
Polyurethane binders 0.0	0.1
Organic binders Epoxy* 0.0	0.4
Other organic binders 0.0	0.1
Natural oil alkyd esters (BT) Yes	Yes
GreenCoat Crown BT Titanium dioxide 0.0	0.3
Other pigments 0.0	0.3
Filler materials Organic fillers 0.0	0.1
Inorganic fillers 0.0	0.2
Organic additivies 0.0	0.1
Nanoparticles 0.0	0.0
Polyester binders (saturated) 0.3	1.2
Organic binders	0.4
Uther organic binders U.U	0.1
Natural oil alkyd esters (BT) Yes	Yes
GreenCoat Mica BT	0.4
Other pigments 0.0	0.1
Filler materials Organic fillers 0.0	0.1
Inorganic fillers 0.0	0.2
Organic additivies 0.0	0.0
Nanoparticles 0.0	0.0

Product	Type of the subtance	Substance content	Min [wt%]	Max [wt%]
		Polyester binders	0.0	0.7
		Polyurethane binders	0.0	0.2
	Binding agent	Other organic binders	0.0	0.0
		Natural oil diluents (BT)	No	No
		Titanium dioxide	0.0	0.2
GreenCoat Purex		Other pigments	0.0	0.1
	Filler materials	Organic fillers	0.0	0.1
		Inorganic fillers	0.0	0.0
		Organic additivies	0.0	0.1
	Nanoparticles		No	No
		Polyester binders (saturated)	0.0	0.9
	Organic binders	Epoxy*	0.0	0.4
		Other organic binders	0.0	0.1
		Titanium dioxide	0.0	0.2
GreenCoat PLX Legacy, GreenCoat TSP Legacy		Other pigments	0.0	0.1
	Filler materials	Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.1
		Organic additivies	0.0	0.0
	Nanoparticles	5	0.0	0.0
		Polyester binders (saturated)	0.6	1.5
	Organic binders	Epoxy*	0.0	0.4
		Other organic binders	0.0	0.1
		Titanium dioxide	0.0	0.6
GreenCoat Cool		Other pigments	0.0	0.4
	Filler materials	Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.1
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0
		PVDF	0.3	1.1
		Acrylic binder	0.2	0.3
	Organic binders	Epoxy*	0.0	0.4
		Other organic binders	0.0	0.1
		Titanium dioxide	0.0	0.5
GreenCoat Hiarc		Other pigments	0.0	0.1
	Filler materials	Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.2
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0
		PVDF	0.2	1.5
	Organia biodora	Acrylic binder	0.2	0.3
GreenCoat Hiarc Max	Organic binders	Epoxy*	0.0	0.4
		Other organic binders	0.0	0.1
		Titanium dioxide	0.0	0.5
		Other pigments	0.0	0.2
	Filler materials	Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.2
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0

GreenCost Ant-Graft IGT Organic binders Polyester binders (vaturated) 0.5 1.0 GreenCost Ant-Graft IGT Filler materials Informational costs 0.0 0.0 GreenCost Ant-Graft IGT Filler materials Informational costs 0.0 0.0 GreenCost Ant-Graft IGT GreenCost Ant-Graft IGT 0.0 0.0 0.0 GreenCost Ant-Graft IGT Filler materials 0.0 0.0 0.0 GreenCost Ant-Graft IGT Filler materials 0.0 0.0 0.0 Filler materials Gregnic binders 0.0 0.0 0.0 GreenCost Ant-Graft IGT Filler materials 0.0 0.0 0.0 Filler materials Gregnic binders 0.0 0.0 0.0 <th>Product</th> <th>Type of the subtance</th> <th>Substance content</th> <th>Min [wt%]</th> <th>Max [wt%]</th>	Product	Type of the subtance	Substance content	Min [wt%]	Max [wt%]
GreenCoat Hunc Coad 0.0 0.0 0.0 GreenCoat Hunc Coad 0.0 0.0 0.0 Filer motions 0.0 0.0 0.0 Inorganic files 0.0 0.0 0.0 Opport files 0.0 0.0 0.0 0.0 Inorganic files 0.0 <			Polyester binders (saturated)	0.5	
GreenCott Horc Cool Tianum dioxide 0.1 0.2 Biler meterials Data pigmens 0.0 0.1 Inargonic Hiles 0.0 0.1 Inargonic Odivides 0.0 0.0 Namoparticles Polyester binders (saturates) 0.0 0.5 Epon* 0.0 0.0 0.0 Participant Hiles 0.0 0.0 0.0 Even* Polyester binders (saturates) 0.0 0.0 Even* Differ organic thindes 0.0 0.0 Even* 0.0 0.0 0.0 Natural of oligid exters (ST) Yes Yes Filler meterials Dignic fillers 0.0 0.0 Filler meterials Dignic fillers 0.0 0.0 Natural of oligid exters (ST) Yes Yes Yes Filler meterials Dignic fillers 0.0 0.0 Natural of oligid exters (ST) Yes Yes Filler meterial Dignic fillers 0.0 0.0 Natural of oligid exters (ST) Yes Yes Filler meterial Differ organic fillers 0.0 0.0 Natural of oligid exters (ST) Yes Yes Filler meterial Differ o		Organic binders		0.0	0.4
GreenCott Horc Cool Tianum dioxide 0.1 0.2 Biler meterials Data pigmens 0.0 0.1 Inargonic Hiles 0.0 0.1 Inargonic Odivides 0.0 0.0 Namoparticles Polyester binders (saturates) 0.0 0.5 Epon* 0.0 0.0 0.0 Participant Hiles 0.0 0.0 0.0 Even* Polyester binders (saturates) 0.0 0.0 Even* Differ organic thindes 0.0 0.0 Even* 0.0 0.0 0.0 Natural of oligid exters (ST) Yes Yes Filler meterials Dignic fillers 0.0 0.0 Filler meterials Dignic fillers 0.0 0.0 Natural of oligid exters (ST) Yes Yes Yes Filler meterials Dignic fillers 0.0 0.0 Natural of oligid exters (ST) Yes Yes Filler meterial Dignic fillers 0.0 0.0 Natural of oligid exters (ST) Yes Yes Filler meterial Differ organic fillers 0.0 0.0 Natural of oligid exters (ST) Yes Yes Filler meterial Differ o			Other organic binders	0.0	0.1
Filer materials Organic filers 0.0 0.1 Inerganic tilers 0.0 0.1 Inerganic tilers 0.0 0.0 Namparticles 0.0 0.0 Organic didivies 0.0 0.0 Organic binders 0.0 0.0 Interr acade 0.0 0.0 Filler materials Organic binders 0.0 0.0 Interr acade 0.0 0.0 0.0 Inter acade 0.0 0.0 0.0 Interr acade 0.0 0.0 0.0 Interr acade 0.0 0.0 0.0 Inter acade 0.0 0.				0.1	0.5
Filer materials Organic fillers 0.0 0.1 Inorganic fillers 0.0 0.0 Noncparticles 0.0 0.0 Filer materials 0.0 0.0 Other organic binders 0.0 0.0 Other organic binders 0.0 0.0 Other organic binders 0.0 0.0 Natural of olived sizers (BT) Ves Ves Filer materials Other organic binders 0.0 0.0 Other organic binders 0.0 0.0 0.0 Organic diffusion 0.0 0.0	GreenCoat Hiarc Cool		Other pigments	0.0	0.2
Intergunic lifers0.00.1Imagenic data0.00.00.0NanoparidesFolyester binders (acturated)0.00.0Greent (act Anti-Grafin IST)YesYesYesFiler materialFiler materialTornium dioxide tess (BT)YesYesFiler materialOrganic binder0.00.00.0Organic binder0.00.00.00.0Organic data0.00.00.00.0Organic binder0.00.00.00.0Organic data0.00.00.00.0Organic binders0.00.00.00.0Organic binders0.00.00.00.0Organic binders0.00.00.00.0Organic binders0.00.00.00.0Organic binders0.00.00.00.0Organic binders0.00.00.00.0Organic binders0.00.00.00.0Inter organic binders0.0 </td <td></td> <td>Filler materials</td> <td></td> <td>0.0</td> <td>0.1</td>		Filler materials		0.0	0.1
Bit Product Sector Product P				0.0	0.1
GreenCott Anti-Orabits BT Program binders 0.0 0.5 GreenCott Anti-Orabits BT Filter materials Fibers* 0.0 0.4 Briter materials Organic binders 0.0 0.2 0.0 0.2 Briter materials Organic binders 0.0 0.0 0.2 0.0			Organic additivies	0.0	0.1
GreenCoat Anti-Ordfith BT Froay* 0.0 0.0 1.0 GreenCoat Anti-Ordfith BT Program Extension 0.0 0.0 0.0 Filter materials Organic Extension 0.0 0.0 0.0 Filter materials Organic Extension 0.0 0.0 0.0 Filter materials Organic Extension 0.0 0.0 0.0 Organic Extension 0.0 0.0 0.0 0.0 Filter materials Organic Extension 0.0 0.0 0.0 Organic Extension 0.0 0.0 0.0 0.0 0.0 Netword Didtsy desters (BT) Organic Extension 0.0 <t< td=""><td></td><td>Nanoparticles</td><td></td><td>0.0</td><td>0.0</td></t<>		Nanoparticles		0.0	0.0
GreenCost Atti-Groth 11: Groth 12: GreenCost Atti-Groth 11: Groth 12: GreenCost Atti-Groth 12: Gre			Polyester binders (saturated)	0.0	0.5
GreenCort Anti-Graffin BT 0 1.0 Filer material Tranum dioxide 0.0 0.2 Other pigments 0.0 0.1 Organic differs 0.0 0.0 Inorganic fillers 0.0 0.0 Organic differs 0.0 0.0 Organic d			Epoxy*	0.0	0.4
GreenCoot Anti-Graftit BT Filler material Trainium dioxide 0.0 0.1 Ordpring tillers 0.0 0.0 0.0 Organic additivies 0.0 0.0 Organic binders 0.0 0.0 Inorganic fillers 0.0 0.0 Inorganic fillers 0.0 0.0 Organic binders 0.0 0.0 Inorganic fillers 0.0 0.0 Inorganic fillers 0.0 0.0 Organic additivies 0.0 0.0 Inorganic fillers 0.0 0.0 Organic additivies 0.0		Organic binders	Other organic binders	0.0	1.0
CircenCoat Anti-Graftii BT0.00.1Filler materialsOrganic fillers0.00.0Imarganic fillers0.00.00.0Imarganic fillers0.0			Natural oil alkyd esters (BT)	Yes	Yes
GreenCoat Purel Form BT 0.0 0.0 Filler materials 0.0 0.0 GreenCoat Purel Form BT 0.0 0.0 Filler materials 0.0 0.0 GreenCoat Purel Form BT 0.0 0.0 Filler materials 0.0 0.0 GreenCoat Purel Form BT 0.0 0.0 GreenCoat Purel Form BT 0.0 0.0 Filler materials 0.0 0.0 Organic bilders 0.0 0.0 GreenCoat Purel Form BT 0.0 0.0 Filler materials 0.0 0.0 Organic bilders 0.0 0.0			Titanium dioxide	0.0	0.2
Inorganic fillers0.00.1Organic additivies0.00.0Inorganic additivies0.00.0Inorganic diditivies0.00.0Inorganic binders0.00.0Polyurethane binders0.00.0Organic binders0.00.0Inorganic binders0.00.0Inorganic binders0.00.0Inorganic binders0.00.0Inorganic binders0.00.0Inorganic binders0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic binders0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic filler	GreenCoat Anti-Graffiti BT		Other pigments	0.0	0.1
organic additivies0.00.0Nanoparticles0.00.0Nanoparticles0.00.0Polyester binders (saturated)0.40.9Polyuethane binders0.20.4Organic binders0.00.1Organic binders0.00.1Natural ol alkyd esters (BT)VesVesPatter organic binders0.00.6Natural ol alkyd esters (BT)VesVesPiller moteriols0.00.0Piller moteriols0.00.0Inorganic fillers0.00.0Organic binders0.00.0Inorganic fillers0.00.0Organic binders0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0		Filler materials		0.0	0.0
organic additivies0.00.0Nanoparticles0.00.0Nanoparticles0.00.0Polyester binders (saturated)0.40.9Polyuethane binders0.20.4Organic binders0.00.1Organic binders0.00.1Natural ol alkyd esters (BT)VesVesPatter organic binders0.00.6Natural ol alkyd esters (BT)VesVesPiller moteriols0.00.0Piller moteriols0.00.0Inorganic fillers0.00.0Organic binders0.00.0Inorganic fillers0.00.0Organic binders0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0				0.0	0.1
GreenCoat Pural Form BT Polyaster binders (soturated) 0.4 0.9 Filler materials Filler materials 0.2 0.4 Filler materials Epoxy* 0.0 0.1 Natural oil alkyd esters (BT) Yes Yes Other organic binders 0.0 0.0 0.0 Natural oil alkyd esters (BT) Yes Yes Other pigments 0.1 0.3 Other pigments 0.1 0.3 Organic fillers 0.0 0.0 Inorganic fillers 0.0 0.0 Nanoparticles Polyester binders (saturated) 0.0 Organic diditivies 0.0 0.0 Organic binders 0.0 0.0 Inorganic fillers 0.0 0.0 Organic diditivies 0.0 0.0 Inorganic fillers 0.0 0.0 Inorganic fillers 0.0 0.0 Inorganic diditivies 0.0 0.0 Inorganic fillers <td< td=""><td></td><td></td><td>Organic additivies</td><td>0.0</td><td>0.0</td></td<>			Organic additivies	0.0	0.0
Polyurethane binders0.20.4Organic binders0.00.4Epox*0.00.1Natural oil alkyd esters (BT)YesYesNatural oil alkyd esters (BT)YesYesFiller materiois0.10.3Organic binders0.10.3Inorganic fillers0.00.2Inorganic fillers0.00.2Inorganic diltivies0.00.2Inorganic diltivies0.00.2Inorganic fillers0.00.2Inorganic binders0.00.2Inorganic binders0.00.2Inorganic binders0.00.2Inorganic binders0.00.2Inorganic binders0.00.0Inorganic binders0.00.0Inorganic binders0.00.0Inorganic binders0.00.0Inorganic binders0.10.2Inorganic fillers0.00.0Inorganic fillers0.00.2Inorganic fillers0.00.2Inorganic fillers0.00.2Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.1Inorganic fillers0.00.1Inorganic fillers0.00.1Inorganic fillers0.00.1Inorganic fillers0.00.1Inorganic fillers0.00.1Inorganic fillers0.00.1Inorganic		Nanoparticles		0.0	0.0
Organic bindersEpxy*0.00.4Organic binders0.00.10.10.10.1Natural oil alkyd esters (BT)YesYesYesFiller materiolsTranlum dioxide0.00.60.1Organic fillers0.00.00.00.0Inorganic fillers0.00.00.00.0NanoparticlesOrganic additivies0.00.00.0Nanoparticles0.00.00.00.0Nanoparticles0.00.00.00.0Polyester binders (soturated)1.42.40.0Organic additivies0.00.00.00.0Inorganic binders0.00.00.00.0Nanoparticles0.00.00.00.0Inorganic binders (soturated)1.42.40.00.0Inorganic binders0.00.00.00.0Inorganic binders0.00.00.00.0Inorganic fillers0.00.00.00.0Inorganic fillers0.00.00.00.0Inorganic fillers0.00.00.00.0Inorganic fillers0.00.00.00.0Inorganic fillers0.00.00.00.0Inorganic fillers0.00.00.00.0Inorganic fillers0.00.00.00.0Inorganic fillers0.00.00.00.0Inorganic fillers </td <td></td> <td></td> <td>Polyester binders (saturated)</td> <td>0.4</td> <td>0.9</td>			Polyester binders (saturated)	0.4	0.9
GreenCoat Pural Farm BTOther organic binders0.00.1Filler materialsItanium dioxide0.00.6Filler materialsOther pigments0.10.3Organic tillers0.00.00.0Inorganic tillers0.00.00.0Inorganic tillers0.00.00.0Organic tillers0.00.00.0Inorganic tillers0.00.00.0Inorganic tillers0.00.00.0Inorganic tillers0.00.00.0Organic binders0.00.00.0Inorganic binders0.00.00.0Inorganic binders0.00.00.0Inorganic binders0.00.00.0Inorganic binders0.00.00.0Inorganic binders0.00.00.0Inorganic binders0.00.00.0Inorganic tillers0.00.00.0Inorganic diltivis0.00.00.0Inorganic diltivis0.00.00.0Inorganic binders (saturated)0.61.2Inorganic binders0.00.00.1Inorganic binders0.00.00.1Inorganic binders0.00.00.1Inorganic binders0.00.00.1Inorganic binders0.00.00.1Inorganic binders0.00.00.1Inorganic binders0.00.00.1I			Polyurethane binders	0.2	0.4
GreenCoat Pural Farm BTIndexNatural oid alkyd esters (BT)YesYesTtanium dioxide0.00.6Piller materialsOther pigments0.10.3Filler materialsOrganic fillers0.00.0Inorganic fillers0.00.00.0Inorganic diltivis0.00.00.0NanoparticlesPolyester binders (saturated)1.42.4Organic bindersOrganic binders0.00.0Organic bindersOrganic binders0.00.0Organic bindersOrganic binders0.00.0Filler materialsOrganic fillers0.00.0Organic diltivis0.00.00.0Inorganic fillers0.00.00.0NanoparticlesOrganic diltivis0.00.0Filler materialsPolyester binders (saturated)0.61.2Organic diltivis0.00.00.1NanoparticlesPolyester binders (saturated)0.61.2Filler materialsPolyester binders (saturated)0.60.1Filler materialsOrganic fillers0.00.1Filler materialsOrganic fillers0.00.0Filler materialsOrganic fillers0.00.0Filler materialsOrganic fillers0.00.0Filler materialsOrganic fillers0.00.0Filler materialsOrganic fillers0.00.0Filler materialsOrganic fillers0.00.0		Organic binders	Epoxy*	0.0	0.4
GreenCoat Pural Form BTTanium dioxide0.00.6Other pigments0.10.3Organic fillers0.00.0Inorganic fillers0.00.0Organic diditivies0.00.0Nanoparticles0.00.0Polyester binders (saturated)1.42.4Other organic binders0.00.0Organic binders0.00.0Inorganic binders0.00.0Filler materialsPolyester binders (saturated)1.42.4Other organic binders0.00.00.0Inorganic binders0.00.00.0Inorganic binders0.00.00.0Inorganic fillers0.00.00.0Inorganic fillers0.00.00.0Inorganic fillers0.00.00.0Inorganic fillers0.00.00.0Inorganic binders0.00.00.0Inorganic binders0.00.00.0Inorganic binders0.00.00.0Inorganic binders0.00.00.0Filler materialsFiller materialsFiller materials0.00.0Filler materialsOther organic binders0.00.00.0Inorganic fillers0.00.00.00.0Filler materialsOrganic fillers0.00.00.0Inorganic fillers0.00.00.00.0Inorganic fillers0.00.00.0 <td></td> <td></td> <td>Other organic binders</td> <td>0.0</td> <td>0.1</td>			Other organic binders	0.0	0.1
Other pigments0.10.3Filler materialsOrganic fillers0.00.0Inorganic fillers0.00.00.0Organic dditivies0.00.00.0Organic dditivies0.00.00.0Inorganic fillers0.00.00.0Organic bindersPolyester binders (saturated)1.42.4Organic binders0.00.00.0Itanium dioxide0.10.00.0Organic fillers0.00.00.0Inorganic fillers0.00.00.0Inorganic fillers0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.0			Natural oil alkyd esters (BT)	Yes	Yes
Filler materials Organic fillers 0.0 0.0 Inorganic fillers 0.0 0.0 0.0 Organic additivies 0.0 0.0 0.0 Organic binders 0.0 0.0 0.0 Organic binders 0.0 0.0 0.0 Organic binders 0.0 0.0 0.0 Other organic binders 0.0 0.0 0.0 Other organic binders 0.0 0.0 0.0 Other organic fillers 0.0 0.0 0.0 Inorganic fillers 0.0 0.0 0.0 Inorganic fillers 0.0 0.0 0.0 Inorganic diltivies 0.0 0.0 0.0 Fill	GreenCoat Pural Farm BT		Titanium dioxide	0.0	0.6
Introduct of the second seco			Other pigments	0.1	0.3
Organic additivies0.00.0Nonoparticles0.00.0Polyester binders (saturated)1.42.4Organic binders0.00.0Titanium dioxide0.10.6Offer organic binders0.00.0Filler materiolsOrganic fillers0.00.0Organic fillers0.00.00.0Inorganic fillers0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.00.0Filler materiols0.00.00.0Nanoparticles0.00.00.0Nanoparticles0.00.10.0Filler materiols0.00.10.1Filler materiols0.00.10.1Polyester binders (saturated)0.61.2Epox*0.00.10.1Filler materiols0.00.1Filler materiols0.00.1Filler materiols0.00.1Organic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.0Inorganic fillers0.00.2Inorganic fillers0.00.2Inorganic fillers0.00.2Inorganic fillers0.00.2Inorganic fillers0.00.2Inorganic fillers0.00.2Inorganic fillers0.00.2Inorganic fille		Filler materials	Organic fillers	0.0	0.0
Nonoparticles0.00.0Organic bindersPolyester binders (saturated)1.42.4Organic binders0.00.00.0Mere organic binders0.00.00.0Manager Coat RWSFiller materialsTitanium dioxide0.10.2Filler materialsOrganic fillers0.00.00.0Inorganic fillers0.00.00.00.0Nanoparticles0.00.00.00.0Nanoparticles0.00.00.00.0Nanoparticles0.00.00.00.0Filler materialsPolyester binders (saturated)0.61.2Epoxy*0.00.00.10.0Filler materialsOther organic binders0.00.1Filler materialsOrganic fillers0.00.0Filler materialsOrganic fillers0.00.0Filler materialsOrganic fillers0.00.0Matt Polyester0.00.00.0Filler materialsOrganic fillers0.00.0Mattr Polyester0.00.00.0Filler materialsOrganic fillers0.00.0Mattr Polyester0.00.00.0Mattr Polyester0.00.00.0Mattr Polyester0.00.00.0Mattr Polyester0.00.00.0Mattr Polyester0.00.00.0Mattr Polyester0.00.00.0 <t< td=""><td></td><td rowspan="2"></td><td>Inorganic fillers</td><td>0.0</td><td>0.2</td></t<>			Inorganic fillers	0.0	0.2
Organic binders Polyester binders (saturated) 1.4 2.4 Other organic binders 0.0 0.0 Other organic binders 0.0 0.0 Filler materials Titanium dioxide 0.1 0.2 Organic fillers 0.0 0.0 0.0 Inorganic fillers 0.0 0.0 0.0 Nanoparticles 0.0 0.0 0.0 Nanoparticles 0.0 0.0 0.0 Nanoparticles 0.0 0.0 0.0 Filler materials Polyester binders (saturated) 0.6 1.2 Epoxy* 0.0 0.0 0.1 Filler materials Filler materials Epoxy* 0.0 0.1 Filler materials Organic fillers 0.0 0.1 0.0 Filler materials Organic fillers 0.0 0.0 0.0			Organic additivies	0.0	0.0
Organic binders Other organic binders 0.0 0.0 GreenCoat RWS Titanium dioxide 0.1 0.6 Filler materiols Organic fillers 0.0 0.0 Inorganic fillers 0.0 0.0 0.0 Inorganic diltivies 0.0 0.0 0.0 Nanoparticles Inorganic binders 0.0 0.0 Nanoparticles Inorganic binders 0.0 0.0 Nanoparticles Inorganic binders 0.0 0.0 Inorganic binders 0.0 0.0 0.0 Inorganic fillers 0.0 0.0 0.0 Inorganic fillers 0.0 0.0 0.0 Inorganic fillers 0.0 0.0 0.0 <td></td> <td>Nanoparticles</td> <td></td> <td>0.0</td> <td>0.0</td>		Nanoparticles		0.0	0.0
GreenCoat RWS 0.0 0.0 Filler materials Titanium dioxide 0.1 0.6 Other pigments 0.1 0.2 Organic fillers 0.0 0.0 Inorganic fillers 0.0 0.0 Organic additivies 0.0 0.0 Nanoparticles 0.0 0.0 Folgester 0.0 0.0 Filler materials Polyester binders (saturated) 0.6 1.2 Epoxy* 0.0 0.0 0.1 Filler materials Titanium dioxide 0.0 0.1 Filler materials Filler materials Organic fillers 0.0 0.1 Filler materials Inorganic fillers 0.0 0.1 0.1			Polyester binders (saturated)	1.4	2.4
GreenCoot RWSOther pigments0.10.2Filler materialsOrganic fillers0.00.0Inorganic fillers0.00.00.0Organic additivies0.00.00.0Nanoparticles0.00.00.0Polyester binders (saturated)0.61.2Epoxy*0.00.10.1Other organic binders0.00.1Filler materialsOther pigments0.00.1Filler materialsOrganic fillers0.00.1Filler materialsOrganic fillers0.00.1Inorganic fillers0.00.10.1Inorganic fillers0.00.10.1Inorganic fillers0.00.10.1Inorganic fillers0.00.10.1Inorganic fillers0.00.10.1Inorganic fillers0.00.10.1Inorganic fillers0.00.10.1Inorganic diditivies0.00.10.1Inorganic diditivies0.00.10.1Inorganic diditivies0.00.10.1Inorganic diditivies0.00.10.1Inorganic diditivies0.00.10.1Inorganic diditivies0.00.10.1Inorganic diditivies0.00.10.1Inorganic diditivies0.00.10.1Inorganic diditivies0.00.10.1Inorganic diditivies0.00.10.1 </td <td></td> <td>organic binders</td> <td>Other organic binders</td> <td>0.0</td> <td>0.0</td>		organic binders	Other organic binders	0.0	0.0
GreenCoot RWSFiller materialsOrganic fillers0.00.0Inorganic fillers0.00.00.00.0Organic additivies0.00.00.00.0Nanoparticles0.00.00.00.0Polyester binders (saturated)0.61.20.00.4Epoxy*0.00.00.10.10.1Cher organic binders0.00.10.10.1Filler materialsFiller materialsOrganic fillers0.00.1Filler materialsOrganic fillers0.00.00.0Organic fillers0.00.00.00.0Inorganic fillers0.00.00.00.0Organic additivies0.00.00.00.0			Titanium dioxide	0.1	0.6
Filler materials Organic fillers 0.0 0.0 Inorganic fillers 0.0 0.2 Organic additivies 0.0 0.0 Organic additivies 0.0 0.0 Nanoparticles 0.0 0.0 Polyester binders (saturated) 0.6 1.2 Epoxy* 0.0 0.4 Other organic binders 0.0 0.1 Filler materials Organic fillers 0.0 0.1 Filler materials Organic fillers 0.0 0.1 Organic fillers 0.0 0.1 0.0 Inorganic fillers 0.0 0.0 0.1 Organic fillers 0.0 0.0 0.1 Inorganic fillers 0.0 0.0 0.1 Inorganic fillers 0.0 0.0 0.0 Inorganic fillers 0.0 0.0 0.0 Inorganic dilitivies 0.0 0.0 0.0	GroopCost DWS		Other pigments	0.1	0.2
Organic additivies0.00.0Nanoparticles0.00.0Polyester binders (saturated)0.61.2Epoxy*0.00.4Other organic binders0.00.1Other organic binders0.00.5Filler materialsOrganic fillers0.00.0Inorganic fillers0.00.20.2Organic additivies0.00.20.0Inorganic ditivies0.00.20.0		Filler materials	Organic fillers	0.0	0.0
Nanoparticles0.00.0Polyester binders (saturated)0.61.2Epoxy*0.00.4Other organic binders0.00.1Titanium dioxide0.00.5Other pigments0.00.1Filler materialsOrganic fillers0.00.0Inorganic fillers0.00.20.2Organic additivies0.00.00.2			Inorganic fillers	0.0	0.2
Polyester binders (saturated) 0.6 1.2 Epoxy* 0.0 0.4 Other organic binders 0.0 0.1 Titanium dioxide 0.0 0.5 Other pigments 0.0 0.1 Filler materials Organic fillers 0.0 0.1 Inorganic fillers 0.0 0.2 0.0 0.2			Organic additivies	0.0	0.0
Epoxy* 0.0 0.4 Other organic binders 0.0 0.1 Titanium dioxide 0.0 0.5 Other pigments 0.0 0.1 Filler materials Organic fillers 0.0 0.1 Inorganic fillers 0.0 0.2 0.0 Organic ditivies 0.0 0.2 0.2		Nanoparticles		0.0	0.0
Note Other organic binders 0.0 0.1 Rough Matt Polyester Titanium dioxide 0.0 0.5 Filler materials Other pigments 0.0 0.1 Inorganic fillers 0.0 0.0 0.0 Organic ditivies 0.0 0.0 0.0			Polyester binders (saturated)	0.6	1.2
Rough Matt PolyesterTitanium dioxide0.00.5Filler materialsOther pigments0.00.1Organic fillers0.00.00.0Inorganic fillers0.00.2Organic additivies0.00.0			Epoxy*	0.0	0.4
Rough Matt Polyester Other pigments 0.0 0.1 Filler materials Organic fillers 0.0 0.0 Inorganic fillers 0.0 0.2 Organic additivies 0.0 0.0			Other organic binders	0.0	0.1
Filler materials Organic fillers 0.0 0.0 Inorganic fillers 0.0 0.2 0.0			Titanium dioxide	0.0	0.5
Inorganic fillers0.00.2Organic additivies0.00.0	Rough Matt Polyester		Other pigments	0.0	0.1
Organic additivies 0.0 0.0		Filler materials	Organic fillers	0.0	0.0
				0.0	0.2
Nanoparticles 0.0 0.0			Organic additivies	0.0	0.0
		Nanoparticles		0.0	0.0

Product	Type of the subtance	Substance content	Min [wt%]	Max [wt%]
		Polyester binders (saturated)	0.6	1.2
	Organic binders	Epoxy*	0.0	0.4
		Other organic binders	0.0	0.1
		Titanium dioxide	0.0	0.5
Polyester		Other pigments	0.0	0.1
	Filler materials	Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.2
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0
		Polyester binders (saturated)	0.0	0.9
		Epoxy*	0.0	0.4
	Organic binders	Other organic binders	0.0	0.1
		Natural oil alkyd esters (BT)	Yes	Yes
		Titanium dioxide	0.0	0.6
GreenCoat FoodSafe BT		Other pigments	0.0	0.1
	Filler materials	Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.1
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0
		Polyester binders (saturated)	0.6	1.2
	Organic binders	Epoxy*	0.0	0.4
		Other organic binders	0.0	0.1
		Titanium dioxide	0.0	0.5
Polyester Indoor	Filler materials	Other pigments	0.0	0.1
		Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.2
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0
	Organic binders	Polyester binders (saturated)	0.0	0.6
		Ероху*	0.0	0.4
		Other organic binders	0.0	0.1
		Titanium dioxide	0.0	0.6
Structured Polyester		Other pigments	0.0	0.0
	Filler materials	Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.1
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0
	Organic binders	Ероху*	0.0	0.9
	organic billucis	Other organic binders	0.0	0.2
		Titanium dioxide	0.0	0.3
Ероху		Other pigments	0.0	0.1
	Filler materials	Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.2
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0

Product	Type of the subtance	Substance content	Min [wt%]	Max [wt%]
		Polyester binders (saturated)	0.1	0.5
	Organic hindors	Polyurethane binders	0.0	0.1
	Organic binders	Ероху*	0.0	0.4
		Other organic binders	0.0	0.1
		Titanium dioxide	0.0	0.2
Energy Interior		Other pigments	0.1	0.2
		Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.1
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0
		PVC	3.4	3.7
	PVC laminate film	Other additives	1.0	1.3
		Vinyl resin	0.2	0.6
		Acrylic binder	0.0	0.0
	Organic binders	Polyester binders (saturated)	0.0	0.0
		Ероху*	0.0	0.4
Laminate FoodSafe		Other organic binders	0.0	0.1
		Titanium dioxide	0.0	0.2
		Other pigments	0.0	0.1
	Filler materials	Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.1
		Organic additivies	0.0	0.0
	Organic binders	Polyester binders (saturated)	0.8	1.7
		Epoxy*	0.0	0.4
		Other organic binders	0.0	0.1
	Filler materials	Titanium dioxide	0.0	0.3
Νονα		Other pigments	0.0	0.2
		Organic fillers	0.0	0.0
		Inorganic fillers	0.0	0.4
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0
		PVC	4.0	5.0
	Organis his daw	Plasticizers	1.8	2.5
	Organic binders	Epoxy*	0.0	0.4
		Other organic binders	0.0	0.1
		Titanium dioxide	1.1	1.4
P200		Other pigments	0.0	0.1
	Filler materials	Organic fillers	0.0	0.0
		Inorganic fillers	0.1	0.3
		Organic additivies	0.0	0.0
	Nanoparticles		0.0	0.0

* Substance appears in the reverse side coating.

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