

ABB WIRING ACCESSORIES, FINLAND, 1 MARCH 2022

# Building product declaration

## Byggvarudeklaration

ABB Document ID:	2TVD100440
Document creation date:	15.7.2022
Product group description:	ABB BeTon flush boxes

### Revision

Modified (Date)	User (Name)	Changes done
26.9.2022	Ella Helynranta	Plastic additives marked more clearly
17.11.2022	Ella Helynranta	Product group description updated to ABB BeTon. Halogen amount added to Recycled PC. BVB criteria version updated to version 7.1.
10.1.2023	Ella Helynranta	Red pigment information and REACH SVHC control date added. Nordic ecolabel criteria updated.
2.2.2023	Ella Helynranta	Details added for recycled polycarbonate

### Supplier/Manufacturer information

Supplier:	ABB Wiring Accessories
VAT-number:	FI07634030
Contact person:	Ella Helynranta
Address:	Porvoon Sisäkehä 2, 06100, Porvoo, Finland
E-mail:	<a href="mailto:ella.helynranta@fi.abb.com">ella.helynranta@fi.abb.com</a>
Phone number:	+358503359482
Company website:	<a href="http://www.installationmaterials.com">http://www.installationmaterials.com</a>

The company possesses certification in compliance with:

ISO 9001

ISO 14001

### Appendix:

Appendix I: Product list

For more information please contact:

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## Supporting documents

- Declaration of conformity** covering the RoHS-directive (2011/65/EU).
- Environmental product declaration** in accordance with EN 15804.
- Declaration of performance** in line with European Construction Products Regulation (EU) no 305/2011.

## Product information

Products/articles included in this declaration are listed in Appendix I: Product list.

Type of product	<input checked="" type="checkbox"/> Article	<input type="checkbox"/> Chemical
Do the products contain at least 2% wood?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do the products contain electronics and/or cables?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do the products belong to a product group with requirements for energy labelling?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do the products contain plastic and/or rubber details in contact with skin?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the chemical composition different, for the products when applied (cured product) compared to the content at delivery?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the products in compliance with RoHS-Directive 2011/65/EU?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the products covered by an exemption according to RoHS-directive (2011/65/EU)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do the product/products or any of its/their subcomponents contain so called Substances of Very High Concern (SVHC), which are included in the Candidate List at a concentration $\geq 0.1$ weight%? <i>Date of control: 02.01.2023</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Do the product/products have a SCIP ID (Appendix I)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

*ABB Wiring Accessories has a process in place to ensure compliance with the legal requirements.*

## Declaration of contents

### Byggvarubedömningen

The data and declaration of contents provided in this Building product declaration is in accordance with Byggvarubedömningen's criteria for chemical content and lifecycle aspects, Version 7.1. Valid from 2022-10-01.

### SundaHus

The data and declaration of contents provided in this Building product declaration is in accordance with SundaHus Environmental data guidelines and declaration/information requirements for assessment of product, Bedömningskriterier 6.1.7. Date: 2021-09-27.

### Nordic Swan ecolabel

The data and declaration of contents provided in this Building product declaration is in accordance with Nordic Ecolabelling guidelines and declaration/information requirements for assessment of product, Version 3.15 - 09 March 2016 – 30 September 2024.

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Table 1. Contents of included substances and material in declared products/articles, on delivery. (Declaration of content in accordance with requirements)

Included material	Constituent substances	EG No. /CAS No.	Weight-% (of the product)	Comments (state any application of non-harmonized classifications)
<b>Polypropylene</b>		9003-07-0	68,39-75,49%	Halogen free
	Melamine	108-78-1	17,10-22,65%	Additive in PP
	2,2'-Dibenzamido	135-57-9	0,68-2,26%	Additive in PP
<b>Polyamide 6 GF25</b>		25038-54-4	5,71-12,35%	Halogen free
	Glass fiber	6599-17-3	1,28-3,71%	Additive in PA 6 GF25
	Carbon black	1333-86-4	<0,17%	Additive in PA 6 GF25
<b>Recycled Polypropylene</b>		9003-07-0	9,36-10,48%	PP itself Halogen free
	Red pigment	84632-65-5	0,16-0,21%	Color added to PP during molding
	Unclassified pigment		0,09-0,31%	Residue pigments from the recycled packaging waste
<b>Recycled Polycarbonate</b>		Mix: 25971-63-5 and 103598-77-2	2,92-5,72%	CAS 103598-77-2 is about 70% and CAS 25971-63-5 30%
	Methylene chloride	75-09-2	<0,001%	Included in one of the PC that is recycled
<b>LDPE</b>		9002-88-4	2,03-6,24%	LDPE itself is Halogen free
	Red pigment	84632-65-5	0,04-0,12%	Color added to LDPE during molding
<b>Galvanized steel</b>		Full hard 800	0,69-1,69%	
	Iron	7439-89-6	0,42-1,04%	
	Manganese	7439-96-5	0,14-0,33%	
	Carbon	7440-44-0	0,08-0,20%	
	Aluminium	7429-90-5	0,03-0,08%	
	Phosphorus	7723-14-0	0,01%	
	Sulfur	7704-34-9	<0,01%	
	Zinc	7440-66-6	0,01-0,02%	
<b>Carbon steel</b>		Grade 10.9	0,10-0,21%	
	Iron	7439-89-6	0,08%	
	Carbon	7440-44-0	0,02-0,11%	
	Phosphorus	7723-14-0	<0,005%	
	Sulfur	7704-34-9	<0,005%	
	Zinc	7440-66-6	<0,01%	

Table 2. Please declare if the product(s) contain the following substance group/substance

Arsenic and its compounds	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Brominated flame retardants	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Per- and polyfluoroalkyl substances (PFAS)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Organotin compounds	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Biocidal product applied on products (surface treatments) to provide a disinfectant or anti-bacterial effect.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Medium chain chlorinated paraffins (C14-C17)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

### Nanomaterials

Does the product contain any nanomaterial that has been purposefully added to achieve a specific function?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, specify the material.</i>		

### Recycling

Does the product contain any recycled material?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<i>If Yes, specify in the material in Table 3.</i>		

Table 3. List of recycled material included in the product.

Material	Percentage (%) <i>of the recycled material that has not reached the consumer level, such as production waste, etc. (pre-consumer)</i>	Percentage (%) <i>of the recycled material that has reached the consumer level (post-consumer)</i>	Comments
Recycled PP		100%	Post-consumer packaging materials
Recycled PC	100%		Milled scrapped parts

### Production

#### Energy efficiency

Has an active effort been taken to minimize the energy consumption in production?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<i>If yes, describe the type of efforts made:</i>	<i>In 2021 ABB WA was part of ABB's Mission to Zero – project which resulted in the increased of the total energy efficiency by 21% with the help of onsite heat recovery,</i>	

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*geothermal system, and solar power.*

**Has an active choice been made, regarding the electricity supplier, in order to promote electricity production from renewable energy sources?**

Yes  No

*Describe the type of energy source, percentage of energy stemming from the renewable source, how long the agreement has been applied, electricity supplier, and for which part of the production it is valid for:*

*ABB Porvoo factory is carbon neutral. ABB WA buys electricity from energy supplier, Gasum, which energy sources are 100% renewable and free of direct carbon dioxide emissions (Directive 2018/2011). The contract was made in 2021 and is ongoing. The energy source is a combination of hydropower (50%) and wind power (50%). The energy source is valid for injection moulding, assembly and packaging of the products done at ABB WA factory in Porvoo.*

## Distribution

The packages used for the products are made from cardboard. In some cases, the products are sealed in plastic foil.

- Does the supplier apply any system for returning load carriers for the product?  Yes  No
- Does the supplier apply any systems involving multi-use packaging for the product?  Yes  No
- Does the supplier take back packaging for the product?  Yes  No
- Are the products packages in compliance with Directive 94/62/EC?  Yes  No

**Is the supplier affiliated to a system of producer responsibility for packaging?**

Yes  No

*If yes, which one?*

RINKI Ltd

**Are the packages recyclable?**

Yes  No

*Enter the proportion of recycled material, included in the packaging.*

Recycled content in carton is 90% for AUB60(H) and 20% for AUB67(H)

## Construction

- Are there any special requirements for the product during storage?  Yes  No
- Are there any special requirements for adjacent building products because of this product?  Yes  No

## Use

- Are there any operating/care instructions for the product?  Yes  No

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Is the product energy labelled in accordance with the Energy

Labelling Directive (2010/30/EU)?

Yes

No

Not relevant

Reference service life estimated as being approx.

≥ 25 Years

## Disassembly

Does the product require any special measures to protect health and environment during demolition/disassembly?

Yes

No

If "yes", please specify

## Waste management

Is the product covered by the WEEE-directive 2012/19/EU?

Yes

No

Is energy recycling possible for all or parts of the product when it becomes waste?

Yes

No

When the supplied product becomes waste, is it classified as hazardous waste?

Yes

No

Is it possible to re-use all or parts of the product? (Can the product be reused within the product's expected lifetime)?

Yes

No

If "yes", please specify

The products are designed taking in consideration the whole lifecycle.

Is material recycling possible for all or parts of the product when it becomes waste?

Yes

No

If "yes", please specify

All of the materials present in the product are recyclable.

## Indore environment

Has the product a critical moisture condition?

Yes

No

Is the article (or chemical product) intended for indoor use?

Indoor

Outdoor

Sanitary room

If yes for indoor, has emission data been produced for volatile organic compounds?

The products do not produce emissions.

All statements are made after our best knowledge and based on information from our suppliers. These details places particularly no assurance (e.g.in the guarantee legal meaning).

Marko Utriainen, LPG Manager

3.2.2023

Name, signature, title & date

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