Construction Product Declaration 2015

according to the Association for Construction Product Declarations' standardised format eBVD2015

2019-03-05 16:19:16 **Particle board P7**

1. BASIC DATA

Document data

ID:

C-SE556821674001-3

Version:

8

Created:

2019-03-05 16:17:46

Last saved:

2019-03-05 16:19:14

The change concerns:

Adjustment of contents

Particle board P7

Product name:

Particle board P7

Item no./ID concept

Item identity: E

A21, A25

Product group/Product group classification

Product group system	Product group page
BK04	01208
BSAB96	KEJ.21
BSAB96	KEJ.231
BSAB96	KEJ.2331

Product description:

Moisture-resistant particle board for subfloors on joists

Performance declarations:

Yes

Performance declaration number:

DoP EN-312- P7 22mm

Other information:

Byggelit Sverige AB

Company name:

Byggelit Sverige AB

Company registration number:

556821-6740

Address:

Contact:

Östersundsvägen 59	Kent Ögren
Email:	Telephone:
kent.ogren@byggelit.se	0642 44466
VAT number:	Website:
SE556821674001	www.byggelit.se
GLN:	DUNS:

Environmental certification system

☐ BREEAM ☐ BREEAM-SE ☐ LEED 2009 ☐ LEED version 4 ☐ Miljöbyggnad

References

Reference
Byggelit does not hold certification in environmental systems that require third-party inspection. With regard to the environment, Byggelit has a self-monitoring programme and an annual environmental report

2. SUSTAINABILITY WORK

Company certification

☐ ISO 9001 ☐ ISO 14001

Other:

Byggelit does not hold certification in environmental systems that require third-party inspection. With regard to the environment, Byggelit has a self-monitoring programme and an annual environmental report

Policies and guidelines

☑ The company has a code of conduct/policy/guidelines in order to address corporate social responsibility in the supply chain, including procedures to ensure compliance with the requirements

☐ This has been reviewed by a third party

☑ UN Guiding Principles on Business and Human Rights

☑ The eight core conventions of the ILO

☐ OECD Guidelines for Multinational Enterprises

☐ UN Global Compact

☐ ISO 26000

If yes,
which of the following guidelines have you adhered to or management systems have you implemented

Other policies/guidelines

Management system

If you have a corporate social responsibility management system, which of the following is included in your work?

☑ Mapping

☑ Risk analysis

☑ Action plan

☑ Monitoring

Sustainability reporting guidelines:

3. DECLARATION OF CONTENTS

Chemical content

Indicate the chemical content for the product as a whole. In Sweden, the concentration must be calculated at component level according to the “once a product, always a product” principle.

Is there a safety data sheet for the product?

N/A

Is there a classification of the product?

N/A

Indicate the Candidate List edition used (Year, month, has been calculated on:

For composite products, the concentration of constituent substances, day):

the entire construction product

The product is covered by the RoHS Directive:

No

Indicate the weight of the product:

670 kg/m3

Indicate the percentage of the material content declared [%]:

100

If the product contains nanomaterials that are deliberately added in order to achieve a certain function, indicate these below:

Indicate the percentage of volatile organic compounds [g/litre], applies only to Is the product registered in Basta? sealants, paints, varnishes and adhesives: Yes

Other information:

Product and/or subcomponents

Phase	Delivery		
Component	Binder	**% of product by weight**	=12
Comment	MUF resin		
Component	Paint	**% of product by weight**	=1
Comment			
Component	Curing agent	**% of product by weight**	=0.2
Comment			

Material

Substance	Concentration range (%)	EG/CAS/Alternative designation	Candidate List	Phase-out substance
Ammonium chloride	>99	12125-02-9	☐	☐

CAS	Hazard statement	Exposure
12125-02-9	H302 - Acute Tox. 4	
12125-02-9	H319 - Eye Irrit. 2	

Component	Wood raw material	**% of product by weight**	=79

Comment

Component	Urea	% of product by weight	=0.33

Comment

Material	Substance	Concentration	EC/CAS/Alternative designation	Candidate substance	Phase-out interval (%)	list
	Urea	90<=x<=100	57-13-6	☐	☐	

Component	Water	% of product by weight	=6.9

Comment

Component	Wax	% of product by weight	=0.57

Comment

Material	Substance	Concentration range (%)	EG/CAS/Alternative designation	Candidate List	Phase-out substance
	Disodium tetraborate decahydrate	<=2	1303-96-4	☐	☐

CAS	Hazard statement	Exposure
1303-96-4	H319 - Eye Irrit. 2	
1303-96-4	H360FD - Repr. 1B	

Phase	Built-in

Component	Binder	% of product by weight	=12

Comment MUF resin

Material	Substance	Concentration	EC/CAS/Alternative designation	Candidate substance	Phase-out interval (%)	list
	Formaldehyde	0.1<x<=1	50-00-0	☐	☑	
		Comment: Free formaldehyde evaporates during pressing				

CAS	Hazard statement	Exposure
50-00-0	H350 - Carc. 1B	

Component	Paint	% of product by weight	=1

Comment

Component	Curing agent	% of product by weight	=0.2

Comment

Material	Substance	Concentration range (%)	EG/CAS/Alternative designation	Candidate List	Phase-out substance
	Ammonium chloride	>99	12125-02-9	☐	☐

CAS	Hazard statement	Exposure
12125-02-9	H302 - Acute Tox. 4	
12125-02-9	H319 - Eye Irrit. 2	

Component Wood raw material **% of product by weight** =79

Comment

Component Urea **% of product by weight** =0.33

Comment

Material	Substance	Concentration range (%)	EG/CAS/Alternative designation	Candidate List	Phase-out substance
	Urea	90<=x<=100	57-13-6	☐	☐

Component Water **% of product by weight** =6.9

Comment

Component Wax **% of product by weight** =0.57

Comment

Material	Substance	Concentration range (%)	EG/CAS/Alternative designation	Candidate List	Phase-out substance
	Disodium tetraborate decahydrate	<=2	1303-96-4	☐	☐

CAS	Hazard statement	Exposure
1303-96-4	H319 - Eye Irrit. 2	
1303-96-4	H360FD - Repr. 1B	

4. RAW MATERIALS

Raw materials

Component	Material	Transport type
Wood raw material	Roundwood	Vehicle

Country of raw material extraction
Sweden

City of raw material extraction
Jämtland

Country of manufacture/production
Sweden

City of manufacture/production
Lit Jämtland

Comment
Timber from Jämtland forests

Component	Material	Transport type
Wood raw material	Sawdust	Vehicle

Country of raw material extraction

Sweden

City of raw material extraction

Jämtland

Country of manufacture/production

Sweden

City of manufacture/production

Lit Jämtland

Comment

Residual product from nearby sawmill

Component	Material	Transport type
Wood raw material	Dry wood chips	Vehicle

Country of raw material extraction

Sweden

City of raw material extraction

Jämtland

Country of manufacture/production

Sweden

City of manufacture/production

Lit Jämtland

Comment

Residual product from nearby sawmill

Total recycled material in product

☑ Does the product contain recycled material?

Material	Weight/percentage by weight
Wood raw material	67.5 g

Percentage after consumer stage

0

Percentage before consumer stage

100

Comment

The input materials sawdust and wood chips are residual products from the sawmill industry

Renewable material

Indicate the percentage of renewable material in the product (short cycle, less than 10

Indicate the percentage of renewable material in the product (long cycle, more than

90

☐ The biobased material included is a raw material tested according to ASTM test method

Is there documentation of a third-party certified system for control of origin, extraction of raw materials, manufacturing or recycling processes or similar for the raw materials (e.g. BES 6001:2008, EMS certificate, USGBC Program)? If yes, specify the system(s):

Wood raw

☑ Wood raw materials

☑ Input wood raw material is certified

What percentage is certified [%]?

90

Which certification system has been used (e.g. FSC, CSA, SFI with CoC, PEFC)?

FSC Mix 90%; FSC Controlled wood

Reference number:

FSC-C114587

Indicate the country of harvest for the wood raw material, and that the criteria below have been met. Country of harvesting

Sweden

- [x] Does not include wood type or origin in the CITES appendix of endangered species
- [ ] The timber has been harvested legally and certified

5. ENVIRONMENTAL IMPACT

Environmental impact during the life cycle of the product, production stage modules A1-A3 according to EN 15804

- [ ] Has an environmental product declaration been produced for the product according to EN15804 or ISO14025?

What product-specific rules have been applied, known as PCR:

Registration number / ID number for EPD:

Global warming potential (GWP100) [kg CO2-eq]:

Ozone depletion potential (ODP) [kg CFC-11 eq]:

Acidification potential (AP) [kg SO2-eq]:

Photochemical ozone creation potential (POCP)

Eutrophication potential (EP) [kg (PO4)3-eq]:

Renewable energy [MJ]:

2998

Non-renewable energy [MJ]:

118

If a calculation has been made in the Green Guide, indicate the rating:

If no environmental product declaration or other life cycle analysis is available, describe how the environmental impact of the product is taken into account from a life cycle perspective:

Energy consumption is per M3 particle board produced.
We use residual products from the sawmill industry, (which would otherwise be used as fuel), add 6% binder, compress it and make boards.
In this way, it binds CO2 emissions for the service life of the board, i.e. at least 50 years, when it can be either recycled to form a new board or used as fuel.

6. DISTRIBUTION

Distribution of finished product

Does the supplier apply the Construction Pallet Return System?

N/A

Does the supplier apply a returnable packaging system for the product?

No

Does the supplier take back the packaging for the product?

No

If yes, which packaging and system:

FTI

Other information:

7. CONSTRUCTION PHASE

Construction phase

Does the product have special storage requirements?

Yes

Specify

According to our handling instructions

Does the product have special requirements for surrounding construction materials?

No

Specify

Other information:

Is the supplier affiliated to a manufacturer responsibility system for packaging?

Yes

8. USE PHASE

Use phase

Does the product require input goods for operation and maintenance?

No

Specify:

Does the product require an energy supply for operation?

No

Specify:

Estimated technical product service life:

>50 years

Comment:

Is there an energy label according to the Energy Labelling Directive?

(2010/30/EU) for the product?

N/A

Other information:

If yes, indicate the label (G to A, A+, A+, A++, A+++):

9. DEMOLITION

Demolition

Is the product prepared for disassembly (dismantling)?

No

Specify:

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

No

Specify:

Other information:

10. WASTE MANAGEMENT

Product supplied

Is the product supplied covered by the Regulation on producer responsibility for waste electrical and electronic equipment (2014:1075)?

No

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

Yes

Specify:

As particle board

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

Yes

Specify:

As energy during incineration

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

Yes

Specify:

As energy during incineration in approved incineration plants

Does the supplier have restrictions and recommendations for reuse, material or energy recovery or disposal?

No

Specify:

Waste code for the delivered product when it becomes waste
03 - Waste from wood processing and production of panels and furnishings, paper pulp, paper and cardboard
0301 - 01 Waste from wood processing and production of panels and furnishings:
030105 - 05 Other shavings, chips, particles, wood and veneer, and particle boards other than those specified in 03 01 04

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

No

Built-in product

Is the built-in product classified as hazardous waste?

No

Other information

11. INDOOR ENVIRONMENT

Indoor environment

☐ The product is not intended for indoor use

☐ The product emits no emissions

☐ Goods emissions not measured

Does the product have a critical moisture condition?

Yes

If yes, specify:

Climate class 2

Noise

Can the product generate its own noise?

No

Value:

Unit:

Measurement method:

Paints and varnishes

☐ The product is resistant to fungi and algae when used in wetrooms

Electric field

Can the product generate electric fields?

No

Value: Unit:

Measurement method:

Magnetic fields

Can the product generate magnetic fields?

No

Value: Unit:

Measurement method:

Emissions

The product emits the following emissions when used as intended:

Type of emission:

Formaldehyde

Measurement point 1:

Measurement method/standard:

EN 120

Result:

<8 mg/hg perforator value

Measurement interval:

24 hours

Measurement point 2:

Measurement

Result:

Measurement

Other information

Formaldehyde certificate 112004 E1
Formaldehyde emissions according to EN 717-1 <0.07 mg/m3 RISE report ref. 8F002965-02