

EPD 3.0

Environmental Performance meets Digital Age

Sebastian Welling

SBE – Livscykelperspektiv Resultatkonferens
Stockholm, 2019-01-17

Environmental Product Declaration (EPD)

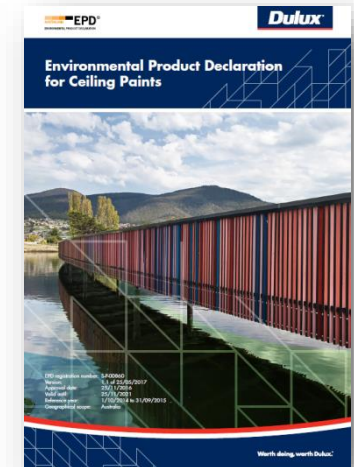
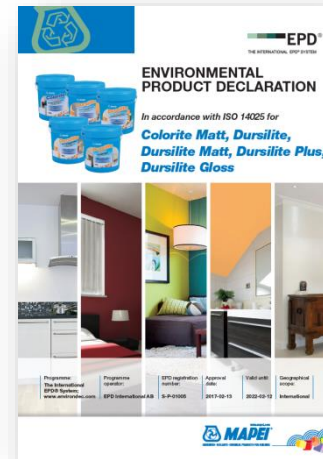


- Detaljerad, livscykelbaserad miljöinformation för en eller flera produkter
- Tredjepartsgranskad och frivillig
- Bygger på internationella standarder
 - ISO 14025 – miljödeklarationer
 - ISO 14040/14044 – livscykelanalys, LCA
 - EN 15804 – beräkningsregler bygg



Innehåll i en EPD

- Information om produkten
- Deklaration av miljöprestanda (kvantitativ + kvalitativ)
- Innehållsdeklaration
- Information om genomförd granskning, regelverk och program
- Format: PDF och XML



EPD[®] International EPD[®] System - Data hub Selected data stock:

Data stock: Digital EPD

Home

Admin area

Browse Data Sets

Processes

Search Data Sets

Search Processes

Process data set overview page

Data set: NCC Green Asphalt2 from Arlanda asphalt plant - ABb 22 50/70 (01.01.001)

Other versions: [01.00.001](#) [View entire data set](#) [Download data set as XML file](#)

Full name NCC Green Asphalt2 from Arlanda asphalt plant - ABb 22 50/70		Location SE	Reference year 2017	Valid until 2022
Reference flow(s) + Green Asphalt - 1000.0 kg (Mass)	Type EPD	Parameterized? no	LCIA results included? yes	
Category Construction products / Other		Synonyms SEP-00044		
Use advice for data set		Data set use approval		
General comment Product group 1 (ABb 22 50/70)				
LCI Method Principle	LCI Method Approaches No records found.	Completeness of product model No statement		
Reviews Accredited third party review by + Carl-Otto Nevén				
License and access conditions Copyright yes				
Owner of data set NCC Industry AB		Technical purpose		
Input Products No records found.		Co-Products No records found.		
Data set version 01.01.001	Time stamp (last saved) 2018-06-04T10:59:54.858+02:00	Data set format EPD Data Format Extension	Other versions + 01.00.001	Compliance systems - DIN EN 15804 (Overall compliance: Not defined) - ISO 14025 (Overall compliance: Not defined)

[My Profile](#) | [Change password](#) | [Logout](#) (User: sebwei)

<https://data.environdec.com/>



Process information
 Key Data Set Information
 Location: SE
 Reference year: 2017
 Name: NCC Green Asphalt2 from Arlanda asphalt plant - AIB 22 20170

Environmental indicators

Indicators of life cycle

Indicator	Direction	Unit	Production A1-A3	Recycling Potential D
Components for re-use	Output	kg	-	-
Exported electrical energy	Output	MJ	-	-
Exported thermal energy	Output	MJ	-	-
Hazardous waste disposed	Output	kg	0.00000426	-0.00000198
Materials for energy recovery	Output	kg	-	-
Materials for recycling	Output	kg	-	-
Use of net fresh water	Input	m3	0.147	-0.0142
Non hazardous waste dispose	Output	kg	0.347	0.0107
Use of non renewable primary energy	Input	MJ	419	0
Use of non renewable primary energy resources used as raw materials	Input	MJ	1.55E+3	0
Use of non renewable secondary fuels	Input	MJ	0.171	-0.0841
Radioactive waste disposed	Output	kg	0.003	-0.00195
Use of renewable primary energy	Input	MJ	135	0
Use of renewable primary energy resources used as raw materials	Input	MJ	0	0
Use of renewable secondary fuels	Input	MJ	0.0112	-0.0055
Use of secondary material	Input	kg	298	0
Total use of non renewable primary energy resource	Input	MJ	1.97E+3	-1.72E+3
Total use of renewable primary energy resources	Input	MJ	135	-5.86

Indicators of the impact assessment

Indicator	Unit	Production A1-A3	Recycling Potential D
Eutrophication potential	kg (PO4)3- eq.	0.0184	-0.00844
Depletion potential of the stratospheric ozone layer	kg CFC 11 eq.	5.46E-10	-4.53E-10
Abiotic depletion potential for non fossil resources	kg Sb eq.	0.000041	-0.00000377
Acidification potential of soil and water	kg SO2 eq.	0.141	-0.0896
Global warming potential	kg CO2 eq.	31.4	-15.5
Abiotic depletion potential for fossil resources	MJ	1.96E+3	-1.71E+3
Formation potential of tropospheric ozone	kg C2H2 eq.	0.0223	-0.0163

Indicators of the impact assessment

Indicator	Unit	Production A1-A3	Recycling Potential D
Eutrophication potential	kg (PO4)3- eq.	0.0184	-0.00844
Depletion potential of the stratospheric ozone layer	kg CFC 11 eq.	5.46E-10	-4.53E-10
Abiotic depletion potential for non fossil resources	kg Sb eq.	0.000041	-0.00000377
Acidification potential of soil and water	kg SO2 eq.	0.141	-0.0896
Global warming potential	kg CO2 eq.	31.4	-15.5
Abiotic depletion potential for fossil resources	MJ	1.96E+3	-1.71E+3
Formation potential of tropospheric ozone	kg C2H2 eq.	0.0223	-0.0163

Indicators of the impact assessment

Indicator	Unit	Production A1-A3	Recycling Potential D
Eutrophication potential	kg (PO4)3- eq.	0.0184	-0.00844
Depletion potential of the stratospheric ozone layer	kg CFC 11 eq.	5.46E-10	-4.53E-10
Abiotic depletion potential for non fossil resources	kg Sb eq.	0.000041	-0.00000377
Acidification potential of soil and water	kg SO2 eq.	0.141	-0.0896
Global warming potential	kg CO2 eq.	31.4	-15.5
Abiotic depletion potential for fossil resources	MJ	1.96E+3	-1.71E+3
Formation potential of tropospheric ozone	kg C2H2 eq.	0.0223	-0.0163

Typ av data:

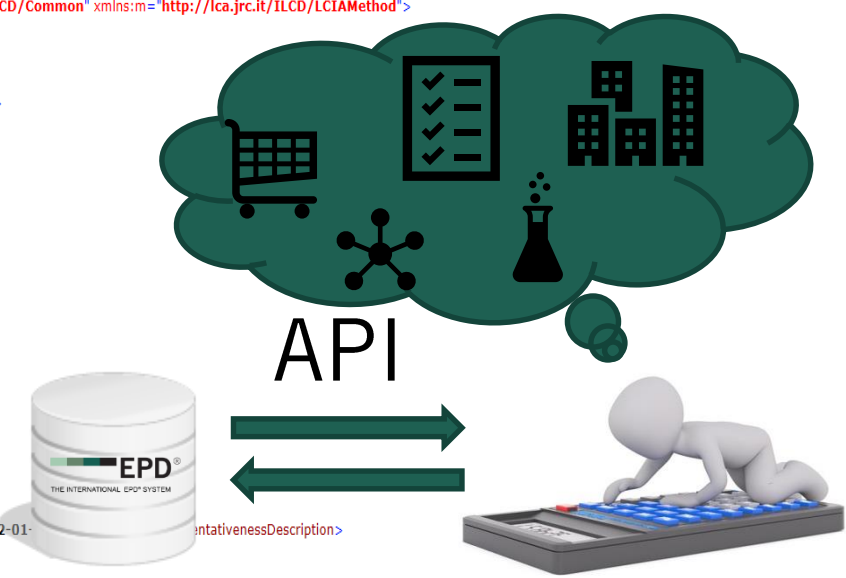
- LCA-resultat enligt EN 15804
 - Miljöpåverkanskategorier
 - Indikatorer för resursanvändning
 - Indikatorer för avfall och återvinning
- Metadata
- Tilläggsinformation, t.ex. Q-metadata eller nationella tillägg

Maskin-läsbar information – xml-fil


```

<?xml version="1.0" encoding="UTF-8" standalone="true"?>
- <processDataSet version="1.1" xmlns:u="http://lca.jrc.it/ILCD/UnitGroup" xmlns:fp="http://lca.jrc.it/ILCD/FlowProperty" xmlns="http://lca.jrc.it/ILCD/Process" xmlns:f="http://lca.jrc.it/ILCD/Flow"
  xmlns:c="http://lca.jrc.it/ILCD/Contact" xmlns:s="http://lca.jrc.it/ILCD/Source" xmlns:common="http://lca.jrc.it/ILCD/Common" xmlns:m="http://lca.jrc.it/ILCD/LCIAMethod">
- <processInformation>
- <dataSetInformation>
  <common:UUID>1151e8d2-0ebd-45ef-92d8-ed08ee990973</common:UUID>
  <name>
    <baseName xml:lang="en">NCC Green Asphalt2 from Arlanda asphalt plant - Abb 22 50/70</baseName>
  </name>
  <common:synonyms xml:lang="en">S-P-00844</common:synonyms>
- <classificationInformation>
  - <common:classification name="The International EPD System">
    <common:class classId="1" level="0">Construction products</common:class>
    <common:class classId="1.13" level="1">Other</common:class>
  </common:classification>
  </classificationInformation>
  <common:generalComment xml:lang="en">Product group 1 (Abb 22 50/70)</common:generalComment>
- <common:other>
  - <epd:scenarios xmlns:epd="http://www.iai.kit.edu/EPD/2013">
    <epd:scenario epd:name="Product group 1"/>
  </epd:scenarios>
  </common:other>
</dataSetInformation>
- <quantitativeReference type="Reference flow(s)">
  <referenceToReferenceFlow>1</referenceToReferenceFlow>
</quantitativeReference>
- <time>
  <common:referenceYear>2017</common:referenceYear>
  <common:dataSetValidUntil>2022</common:dataSetValidUntil>
  <common:timeRepresentativenessDescription xml:lang="en">Registration date: 2017-01-30 Validity date: 2022-01-30</common:timeRepresentativenessDescription>
</time>
- <geography>
  <locationOfOperationSupplyOrProduction location="SE"/>
</geography>
</processInformation>
- <modellingAndValidation>
- <LCIMethodAndAllocation>
  <typeOfDataSet>EPD</typeOfDataSet>
  <referenceToLCAMethodDetails version="00.00.001" type="source data set" refObjectId="af8bdd3-99cf-43cf-a160-4b50c3d4320a">
    <common:shortDescription xml:lang="de">2012:01 Construction products and construction services</common:shortDescription>
  </referenceToLCAMethodDetails>
  <common:other>
    <epd:subType xmlns:epd="http://www.iai.kit.edu/EPD/2013">specific dataset</epd:subType>
  </common:other>
</LCIMethodAndAllocation>
- <dataSourcesTreatmentAndRepresentativeness>
  <referenceToDataSource version="00.00.001" type="source data set" refObjectId="114ed9eb-077f-408e-b60d-9e2dc2eb4fe7">
    <common:shortDescription xml:lang="en">S-P-00844 NCC Green Asphalt2 from Arlanda asphalt plant</common:shortDescription>
  </referenceToDataSource>
</dataSourcesTreatmentAndRepresentativeness>
- <validation>
  <review tvno="Accredited third party review">

```



InData – interconnected data network

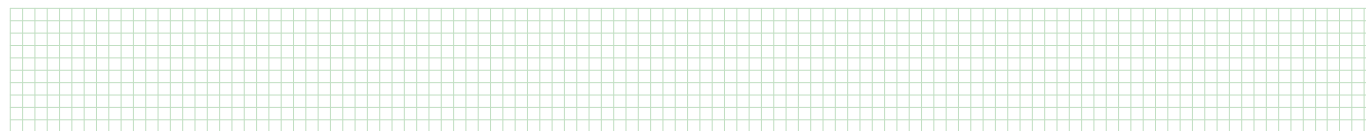
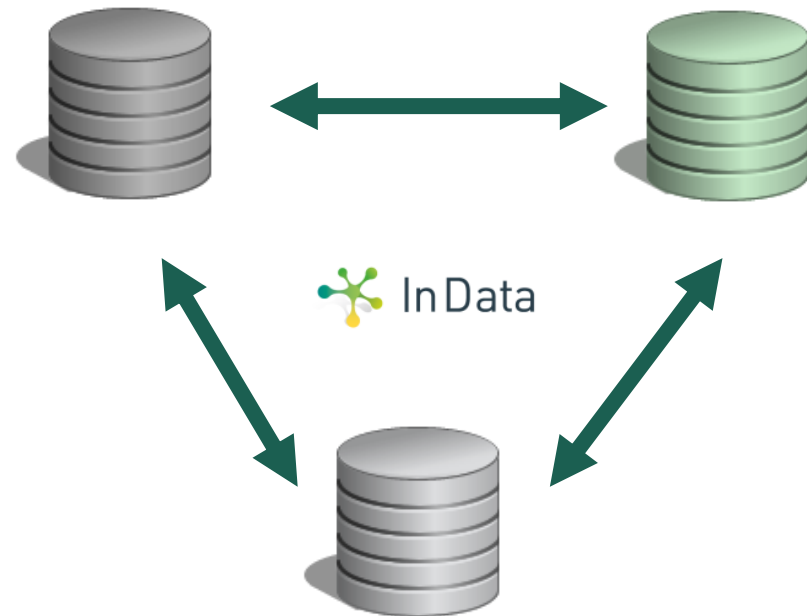


SEARCH RESULTS

Database A:
...

Database B:
...

Database C:
...



A faint, light gray world map is centered in the background of the slide, showing the outlines of continents and countries.

Tack!

sebastian@environdec.com

www.environdec.com