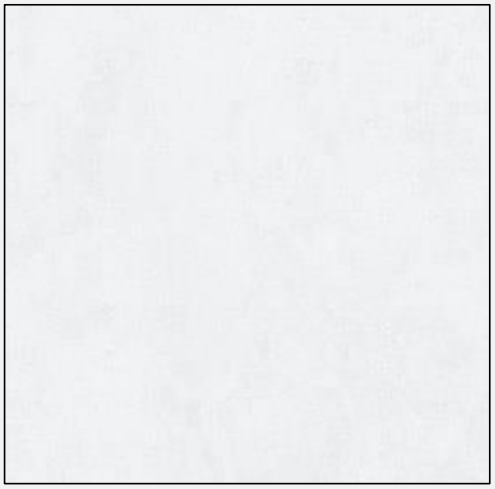
Japan EPD Program by SuMPO
Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan
https://ecoleaf-label.jp/

TOLI Corporation

Vinyl Loose Lay Tile "LOOSELAY 50 NW-EX"



Functional unit

Per square meter of vinyl flooring

System boundary

■ final products □intermediate products

Manufacturing stage, construction stage, and waste recycling stage

Main specifications of the product

Product Name: LOOSELAY 50 NW-EX

Weight: 8.6kg/m2

Overall Thickness: 5.0mm

Size: 500mm x 500mm 166.7mm x 1000mm
333.3mm x 500mm 1000mm x 1000mm
250mm x 1000mm

Materials: PVC, DOP, Calcium Carbonite, Additives, UV curable resin, non-woven glass fiber

Factory: TOLI Atsugi Factory

Company Information

TOLI Corporation Product Planning Division
5-125 Higashi Arioka Itami Hyogo 6648610 Japan
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Registration#	JR-CC-24002E
PCR number	PA-242200-CC-01
PCR name	Resilient floor coverings
Publication date	July 1st, 2024
Verification date	May 15th, 2024
Verification method	Product-by-product
Verification#	JV-CC-24002
Expiration date	May 14th, 2029

PCR review was conducted by:

Approval date	July 21st, 2023
PCR review panel chair	Masayuki Kanzaki (SuMPO)

Third party verifier*

outside inspector Tetsuya Okuyama

Independent verification of data & declaration in accordance with ISO14025

□internal ■external

*Auditor's name is stated if system certification has been performed.

EcoLeaf

Type III Environmental Declaration(EPD)

Registration number： JR-CC-24002E

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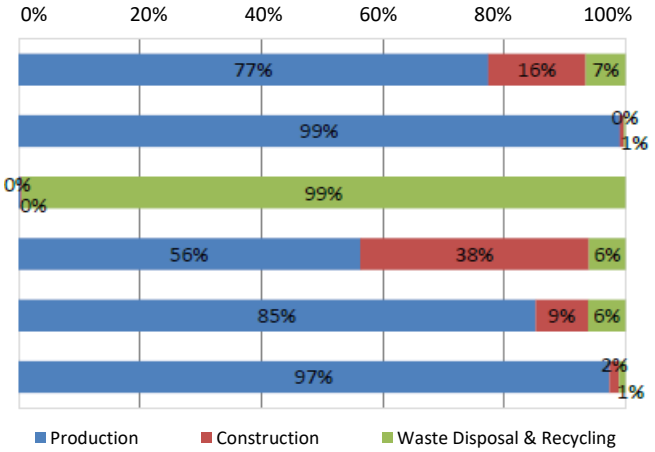
1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	10	kg-CO2eq
Ozone layer destruction	620	μg-CFC-11eq
Eutrophication	77000	μg-PO43-eq
Acidification	13000	mg-SO2eq
Photochemical ozone	110	mg-C2H4eq
Resources consumption	370	mg-Sbeq



Parameter \ stage	Unit	Total	Production	Construction	Waste Disposal & Recycling		
Global warming IPCC2013 GWP100a	kg-CO_2eq	1.0E+01	7.8E+00	1.6E+00	6.6E-01		
Ozone layer destruction	μg-CFC-11eq	6.2E+02	6.1E+02	4.3E+00	1.6E+00		
Acidification	mg-SO_2eq	1.3E+04	7.5E-03	5.0E-03	8.1E-04		
Urban area air pollution	kg-SO_2eq	6.6E-03	4.2E-03	1.9E-03	4.5E-04		
Photochemical ozone	mg-C_2H_4eq	1.1E+02	9.1E+01	9.2E+00	6.6E+00		
Toxic chemicals(cancer)	kg-C_6H_6eq	1.9E-05	1.7E-05	1.3E-07	1.5E-06		
Toxic chemicals(chronic disease)	kg-C_6H_6eq	2.6E-06	2.4E-06	1.9E-08	1.3E-07		
Aquatic toxicity	kg-C_6H_6eq	3.9E-03	3.7E-03	2.9E-05	2.0E-04		
Biological toxity	kg-C_6H_6eq	9.6E-02	9.0E-02	7.0E-04	5.2E-03		
Eutrophication	μg-PO_4^{3-}eq	7.7E+04	2.5E+02	1.5E+02	7.7E+04		
Land use(Occupation)	m^2/year	7.4E-01	6.1E-01	1.2E-01	1.4E-02		
Land use(Transformation)	m^2/year	1.5E-02	1.2E-02	2.4E-03	2.8E-04		
Resources consumption	mg-Sbeq	3.7E+02	3.6E+02	6.0E+00	4.0E+00		

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	4.4E+00	kg
Non-renewable energy resources	4.5E+00	kg
Non-renewable energy resources	2.0E+02	MJ
Renewable material resources	4.1E+00	kg
Renewable primary energy	1.9E+00	MJ
Consumption of freshwater	1.7E-02	m^3
Emission, CO2; from fossil fuel, air, unspecified	9.6E+00	kg
Resources, crude oil, 44.7MJ/kg, land, non-renewable energy	2.5E+00	kg
Emission, CO2; VOC, air, unspecified	8.8E-10	kg

3. Material composition

Material		Unit
UV curable resin (UV coating)	0.30	%
Filler (UV coating)	0.04	%
Additives (UV coating)	0.02	%
PVC film (clear layer)	2.91	%
Printed film (printed layer)	1.11	%
PVC (backing)	1.72	%
DOP (backing)	2.67	%
Calcium carbonite (backing)	37.90	%
Additives (backing)	0.89	%
Recycled materials (backing)	24.44	%
Non-woven fiber glass (backir	0.91	%
Wastage after cutting (backin	25.05	%
Carton box	2.05	%
Total	100.00	%

4. Waste to disposal

Parameter		Unit
Hazardous waste	-	kg
Non-hazardous waste	1.3E+01	kg
Treated MSW for landfill	0.0E+00	kg
Treated industrial waste for landfill	1.3E+01	kg

*Data derived from LCA and not assigned to the impact categories of LCIA

5. Additional explanation

Transport scenario was calculated based on PCR.
The use phase is not included in the calculation.

6-1. Supplementary environmental information

6-2. Regulated hazardous substances

Substance	CAS No.	Reference to standards or regulations

7. Assumptions of secondary data used

IDEA v2.1.3 was used.

8. Remarks

- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.
  (Reference URL : https://ecoleaf-label.jp/regulation/)