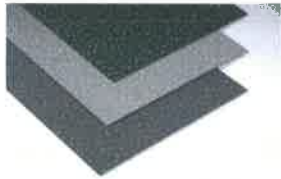


COMPANY INFORMATION



Vekudak
Loire 150, 2491 AK Den Haag
Postbus 420 , 2260 AK Leidschendam
Tel: 070-444 06 60

FOR
PVC Dakbaan 1.2 mm

MRPI code
6.2.0006.004

DATE OF ISSUE
3 oktober 2013

END OF VALIDITY
3 oktober 2018

FUNCTIONAL UNIT / DECLARED UNIT
One m² PVC-roof tile with a thickness of 1,2 mm and an average weight of 1,57 kg which can protect a building against weather influences for a period of 30 years

SCOPE OF THE DECLARATION

NEN 8006

This MRPI – certificate is verified by IVAM . The LCA is executed by EcoChain Technologies B.V.. The data on this MRPI – certificate are based on ISO 14025, and on the NL national guidelines from the SBK protocol of November 2011 and the MRPI – review protocol.

PART OF THE FUNCTIONAL UNIT/ DECLARED UNIT

PRODUCT DESCRIPTION

Material composition (p.1/400)	%
PVC	67 – 70 %
Plasticiser	30 – 33 %

ENVIRONMENTAL PROFILE FUNCTIONAL UNIT/ DECLARED UNIT

Impact category	Unit	Parameter	Unit
Depletion of abiotic resources-elements	4,973E-02 kg Sb	Energy total	1.048E+02MJ
Depletion of abiotic resources-fossil fuels	2,132E-02kg Sb	renewable primary energy total	1,704 MJ
Global warming	6,265 kg CO2	non-renewable primary energy total	1,301E+02 MJ
Ozone layer depletion	1,803E-07 kg CFK-11	use of net fresh water	8,937E+01 m ³
Photochemical ozon creation	1,474E-03 kg ethene	hazardous waste disposed	1,031E-02 kg
Acidification (soil and water)	2,324E-02 kg SO2	non hazardous waste disposed	5,992E-02 kg
Eutrophication	4,942E-03 kg PO43-		
Human toxicity	2,077 kg 1,4 DB		
Ecotoxicity, fresh water	6,765E-01 kg 1,4 DB		
Ecotoxicity, marine water (MAETP)	1.7561E+02 kg 1,4 DB		
Ecotoxicity, terrestrial	2,381E-02 kg 1.4 DB		

ENVIRONMENTAL PROFILE AND RATINGS REPRESENTATIVE

Netherlands

- Icopal Synthetic Membranes bv
- Profine Nederland bv
- Renolit Belgium nv
- sa Sika nv.

QUALITATIVE INFORMATION

The LCA study is cradle to grave LCA. The numbers presented in this document consider all stages of the LCA. The roof tile considered needs to be replaced after 30 years and therefore 2.5 roof tiles are required to fulfill the use phase of 75 years.

NL BUILDING-ACT INFORMATION

Impact category	Unit
Depletion of abiotic resources-elements	4,973E-02 kg Sb
Depletion of abiotic resources-fossil fuels	2,132E-02kg Sb
Global warming	6,265 kg CO2

CARBON FOOTPRINT FUNCTIONAL UNIT *(optional)*

6,265 kg CO2 Equivalent / FU

ACCOUNTABILITY

NEN 8006 standard

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

Third party verifier: IVAM

As a general rule, a comparison or evaluation of EPD data is only possible when all of the data records to be compared have been drawn up in accordance with NEN 8006 and the building context and/or product-specific performance features are taken into consideration.