Environmental Product Declarations

Declaration Number: EPD-CTC-2024-02007004

Product name:	**Fluorocarbon coating aluminium panels (strips)**
Name and address of applicant:	**Shandong Yatai New Material Technology Co., Ltd. Yatai Road No.1, Jinshan Industrial Park, Hi-Tech District, Linyi City, Shandong Province, China**
Name and address of manufacturer:	**Shandong Yatai New Material Technology Co., Ltd. Yatai Road No.1, Jinshan Industrial Park, Hi-Tech District, Linyi City, Shandong Province, China**
References:	**GB/T 24025-2009 Environmental labels and declarations. Type III environmental declarations. Principles and procedures ISO 21930: 2017 Sustainability in buildings and civil engineering works - Core rules for environmental product declarations of construction products and services.**
Functional unit:	**1t 0.3-3.0mm thick, fluorocarbon coating aluminium panels (strips)**
System boundary:	**From resource exploitation, raw and auxiliary materials production and transportation, energy production, product production to product delivery (from cradle to gate)**
Results:	**See Appendix**
Date of issue:	**02-22-2024**
Date of expiry:	**02-21-2029**

Within the period of validity, the certificate shall remain valid through annual supervision. The result of the annual supervision shall be shown in the annual supervision qualification announcement.

Address: No.1 Guanzhuang Dongli, Chaoyang District, Beijing 100024.

Issuing authority: **China Testing & Certification International Group Co.,Ltd.**

Declaration Number：EPD-CTC-2024-02007004

Appendix：

Product name:	Fluorocarbon coating aluminium panels (strips)	
Product Specifications:	Thickness:0.3-3.0mm	
Environmental impact categories	**Unit**	**Value**
Abiotic depletion potential （ADP）	kgSb-Equiv./ t	1.50E-01
Acidification Potential （AP）	kgSO_2-Equiv./ t	6.86E+01
Primary energy demand （PED）	MJ/ t	1.66E+05
Eutrophication Potential （EP）	kgPO_4^{3-}-Equiv./ t	5.06E+00
Global Warming Potential （GWP）	kgCO_2-Equiv./ t	1.40E+04
Respiratory Inorganics （RI）	kg$PM_{2.5}$-Equiv./ t	2.25E+01
Water use	kg/ t	5.82E+04

Note: Above information is based on the basic information provided by the applicant, and is verified by our company. This Appendix table shall be used together with the original certificate.

China Testing & Certification International Group Co.,Ltd.

Valid date of the appendix: 02-22-2024

国检集团

Carbon Footprint Certificate

Certificate Number: CFP-CTC-2024-02007004

Product name:	**Fluorocarbon coating aluminium panels (strips)**
Name and address of applicant:	**Shandong Yatai New Material Technology Co., Ltd. Yatai Road No.1, Jinshan Industrial Park, Hi-Tech District, Linyi City, Shandong Province, China**
Name and address of manufacturer:	**Shandong Yatai New Material Technology Co., Ltd. Yatai Road No.1, Jinshan Industrial Park, Hi-Tech District, Linyi City, Shandong Province, China**
References:	**ISO 14067:2013 Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification and communication & PAS 2050:2011 Specification for the assessment of the life cycle greenhouse gas emissions of goods and services**
Functional unit:	**1t 0.3-3.0mm thick, fluorocarbon coating aluminium panels (strips)**
System boundary:	**There are three types of EPDs: "cradle to gate", "cradle to gate with options" and "cradle to grave", which is determined based on product characteristics.**
Carbon footprint per functional unit:	**13991.88 kg**
Term of validity:	**From 02-22-2024 to 02-21-2029**
Issuing authority:	**China Testing & Certification International Group Co.,Ltd.**

Within the period of validity, the certificate shall remain valid through annual supervision. The result of the annual supervision shall be shown in the annual supervision qualification announcement.

