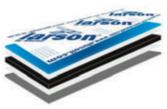


ENVIRONMENTAL PRODUCT DECLARATION

larson pe®-larson fr®





larson pe[®] larson fr[®]

PANEL COMPOSITE DE ALUMINIO PARA ARQUITECTURA, APLICACIONES DE IMAGEN CORPORATIVA, SECTORES AUTOMOCIÓN Y NAVAL, ENTRE OTROS



According to

(ISO 14044:2006) ENVIRONMENTAL MANAGEMENT -- LIFE CYCLE ASSESSMENT --REQUIREMENTS AND GUIDELINES

(ISO 14025:2006) ENVIRONMENTAL LABELS AND DECLARATIONS-TYPE III ENVIRONMENTAL DECLARATIONS-PRINCIPLES AND PROCEDURES.

EN 15804, SUSTAINABILITY OF CONSTRUCTION WORKS. ENVIRONMENTAL PRODUCT DECLARATIONS. CORE RULES FOR THE PRODUCT CATEGORY OF CONSTRUCTION.

PCR 2012:01, PCR BASIC MODULE: CONSTRUCTION PRODUCTS AND CPC 54 CONSTRUCTION SERVICES V1.2.

GPI, GENERAL PROGRAMME INSTRUCTIONS FOR THE INTERNATIONAL EPD® SYSTEM V2. 0.

ALUCOIL, S.A.

C/ Ircio Parc. R72 a R77 Pol. Ind. De Bayas 09200 Miranda de Ebro Burgos (SPAIN)



	Summary
	Environmental
	Product Declaration
The International EPD® System	Program holder
EPD [®]	, , , , , , , , , , , , , , , , , , ,
THE GREEN YARDSTICK	
www.environdec.com	
Alucoil, S.A.	Declaration holder
C/ Ircio Parc. R72 a R77 Pol. Ind. De Bayas	
09200 Miranda de Ebro Burgos (SPAIN) Alucoil	
Tel: +34 947 333320 Grupo Albérico	
Fax: +34 947 324913 / +34 947 331224 www.alucoil.com	
S-P-00363	Declaration number
Aluminum composite panel for use in architecture, automotive, naval and corporate image	Declared Building
applications, among others,	Products
This declaration is an environmental product declaration according to ISO 14025 and	
describes the specific environmental impacts of the building products mentioned. It is intended to foster the sustainable development of environmental and health friendly compatible construction.	
All relevant environmental data is contained in this validated declaration. The declaration is based on the PCR 2012:01 and EN 15804:2012.	
This validated declaration entitles the use of the label of the	Validity
International EPD® System and Institute for Construction and	
Environment (IBU). The Declaration is valid for 3 years.	
This exclusively applies to the mentioned products; three years form the date of issue. The declaration holder is liable	
for the basic information and verifications.	
This EPD is based on information modules that do not cover the aspects of use and end of life	Content of the
of the product. It contains in details, for Module A1-A2-A3:	declaration
 Product definition and physical data 	
Information about raw materials and origin	
Specifications on manufacturing the product	
 Notes on product processing ICA based on a dealared unit gradle to gate 	
 LCA based on a declared unit, cradle-to-gate LCA results 	
 Evidence and verifications 	
	L

TT MASS				Summary Environmental
				Product Declaration
15th January 2014 (Valid until J	anuary 2017)			Date of Issue
Anxo Mourelle Álvarez				Verifier appoint by EPD®System
A		X	P	Signatures
Fdo: Anxo Mourelle Álvarez EPD Verifier		- Hant Managar Alussi		
larson pe® is a composite pane		Plant Manager-Alucoil	······	Product description
polyethylene inside core that ler	• •		· · · · · · · · · · · · · · · · · · ·	Product description
larson $\mathrm{fr}^{\mathbb{R}}$ is an innovative co	mposite panel d	eveloped by Alucoil	using two metal sheets	
(Aluminum), and a mineral core. The core delays combustion to achieve a B-S1, d0				
classification according to the re	gulations UNE-EN	13501.		
In both products, the aluminium	ront sheet is coat	red of PVdF 70% Kvn	ar 500, an anticorrosion	
pretreatment is included on top				
sides with a pre-treatment to				
which will protect it against corr				
larson pe® is especially recom				Applications
as restoration. It allows for venti	lated, semi-ventil	ated or air-tight faca	des.	
larson fr® is the first step of a	new composite	panel generation with	h which Alucoil hopes to	
answer modern architectural nee				
The Life Cycle Assessment (LCA) was performed according to ISO 14040 ff. corresponding to				Scope of the LCA
the requirements of the guidel				
from Alucoil, S.A., data from				
(Gesamtverband der Aluminium				
The method applied for asses version 8.0.0.	smeni is CML Do	usenne 2000, include	a in Sinario soliware	
		larson pe®	larson fr®	Results of the LCA
Environmental Indicator		A1-A3	A1-A3	
Global warming (GWP100)	kg CO2eq	34.0	35.7	
Ozone layer depletion (ODP)	kg CFC-11eq	9.45E-07	1.10E-06	
Acidification (AP) Eutrophication (EP)	kg SO2 eq kg PO4- eq	0.164 0.0106	0.163	
Photochemical oxidation (POCP)	kg C2H2 eq	9.60E-03	9.82E-03	
Abiotic depletion (elements)	kg Sb eq	1.96E-05	7.35E-05	
Abiotic depletion (fossil)	MJ	510	446	
Issued by: Alucoil, S.A.		·		
In cooperation with CTME,				
Fundación Centro Tecnológico d			NTRO TECNOLÓGICO DE MIRANDA DE EBRO	Evidence and verfications
	The Environmental Product Declaration gives evidence of the used data validation and data quality requirements are declared. Furthermore, specific applied chemical substances are			
declared in accordance with Re			cnemical substances are	