

RUUKKI® PRIMO CE MARKING

RUUKKI PRIMO

Primo is a portfolio of high quality façade cladding products aimed for premium market. Portfolio consists of both standardized products and tailor made products.

Product portfolio

- Standardized products: Primo Skyline 100, 150, 1000 and Primo Plana 10
- Tailor made products: Primo Bespoke

Raw materials

Primo products are made of aluminum composite materials in which 2 thin metal facings are bonded into inner core. The metal facings are typically made of aluminum, but also other metals are possible. The core is made of different mixtures of minerals and polymers or aluminum honeycomb.

CE MARKING

CE marking is a certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA). The CE marking is manufacturer's declaration that the product meets the requirements of the applicable EC directives.

CE marking of Primo product portfolio

CE marking based on harmonized standard for façade products made of aluminum composite materials is not possible due to lack of relevant standard. However, Ruukki is using CE marked high quality raw materials for manufacturing Primo products.

CE marking of Primo raw materials

For production of Primo façade cladding products, Ruukki is using high quality aluminum composite materials produced by Alucoil, one of the leading suppliers in Europe. These materials are CE marked by Alucoil, based on ETA (European Technical Assessments) according to table 1 below.

Façade product	Raw material type	Raw material brand	Reaction to fire	ETA reference
Primo Skyline 100, 150 and Primo Plana	Metal composite with polymer/mineral core	Larson® FR by Alucoil	B-s1, d0	ETA 14 / 0010
		Larson® A2 by Alucoil	A2-s1, d0	ETA 18 / 0712
Primo Skyline 1000	Metal composite with aluminum honeycomb core	Larcore® A2 by Alucoil	A2-s1, d0	ETA 16 / 0274
Primo Bespoke	Metal composite with polymer/mineral core	Larson® FR by Alucoil	B-s1, d0	ETA 14 / 0010
		Larson® A2 by Alucoil	A2-s1, d0	ETA 18 / 0712
	Metal composite with aluminum honeycomb core	Larcore® A2 by Alucoil	A2-s1, d0	ETA 16 / 0274

Table 1.

Appendixes

- ETA 18 / 0712 (Larson® A2 by Alucoil)
- ETA 14 / 0010 (Larson® FR by Alucoil)
- ETA 16 / 0274 (Larcore® A2 by Alucoil)



1219

Alucoil®

Pol. Ind. de Bayas.
C/ Ircio, parc. R72-77
09200 Miranda de Ebro
(Burgos) Spain

19

Nº 1219 – CPR – 0215 – 2019 / V1

ETA-18/0712, 16/01/2019

DEE 210046-00-1201

(Thin Metal Composite Sheet)

larson® Composite Panel A2

(Thin metal composite sheet)

Cladding elements (cassettes/coffering, panels)
in external and internal wall cladding kits.

Parts (filling elements) of partition kits.

Filling elements in external or internal
supported ceilings.

Rail filling.

Substrate boards for information and
orientation systems.

Alucoil®

Suspended Cassettes with cladding made of:
Panels **larson® A2: Class A2-s1, d0**



1219

Alucoil®

Pol. Ind. de Bayas.
C/ Ircio, parc. R72-77
09200 Miranda de Ebro
(Burgos) Spain

17

Nº 1219 – CPR – 0080 – 2017 / V2

ETA-14/0010, 30/08/2017
ETAG Nº034 Ed. April 2012, part 2

Alucoil® Suspended Cassettes
Alucoil® Riveted Boards
(Kits based on thin metallic composite
panels **larson pe®**, **larson fr®** and
larson metals® stainless steel FR)

Kits for external wall claddings

Alucoil® Riveted Boards with cladding made of:

- a) Panels larson® PE: Class E
- b) Panels larson® FR: Class B-s1,d0
- c) Panels larson® INOX FR: Class B-s1,d0

Alucoil® Suspended Cassettes with cladding made of:

- a) Panels larson® PE: Class E
- b) Panels larson® FR: Class B-s1,d0
- c) Panels larson® INOX FR: Class B-s1,d0



1292

Alucoil®

Pol. Ind. de Bayas. C/ Ircio, parc. R72-77
09200 Miranda de Ebro. (Burgos) Spain
17
DOP 1292 – CPR/17 – 00003 – A

ETA-16/0274, 19/01/2017
DEE 090058-00-0404, November 2016

Sistem HideTech® Plus
with **IarcCore® A2** 14mm panel

Kits for ventilated external wall cladding

Reaction to fire: A2-s1, d0
Reaction to fire on backside: A2-s1, d0
Watertightness of joints: Not watertight
Drainability: Drain out
Wind load resistance (pressure and suction): 2,000 Pa
Compression strength of cladding element: Mean value 2,471 kPa 5 % fractile value 2,030
Tensile strength of cladding element: Mean value 3,532 kPa 5% fractile value 2,653 kPa
Peeling strength of cladding element: Mean value 4.9 N/mm 5% fractile value 1.9 N/mm
Shear strength of cladding element: Mean value 649.2 kPa 5% fractile value 596.5 kPa
Force-deflection coefficient of cladding element: Mean value 0.184 kN/mm 5% fractile value 0.176 kN/mm
Mechanical resistance of the combination of fixing devices: See ETE 16/0274
Shear resistance of fixing from panel: Mean value 6.37 kN 5% fractile value 5.78 kN
Combined tension and shear resistance of fixing from panel: No bending
Resistance to horizontal point loads: without permanent deformation
Impact resistance: Category I
Pulsating load: NPD
Corrosion of cladding element: Category 4c, Resistance 3 Alta
Corrosion of metal components (except cladding element): See ETE 16/0274
Resistance to ageing by UV radiation of cladding element: See ETE 16/0274
Resistance to thermal shock: See ETE 16/0274
Durability of the adherence of the honeycomb to the sheets: See ETE 16/0274