COMPANY PROFILE

PT ARTOKAYA INDONESIA

Group of Okaya & Co., Ltd.

A GLIMPSE OF US

PT Artokaya Indonesia established in 1996 as a metal roofing and wall cladding company, is the joint venture among Okaya & Co., Ltd. Of Japan, PT Sentra Bangun Harmoni of Indonesia, and Kanekika Nakao Co., Ltd of Japan.

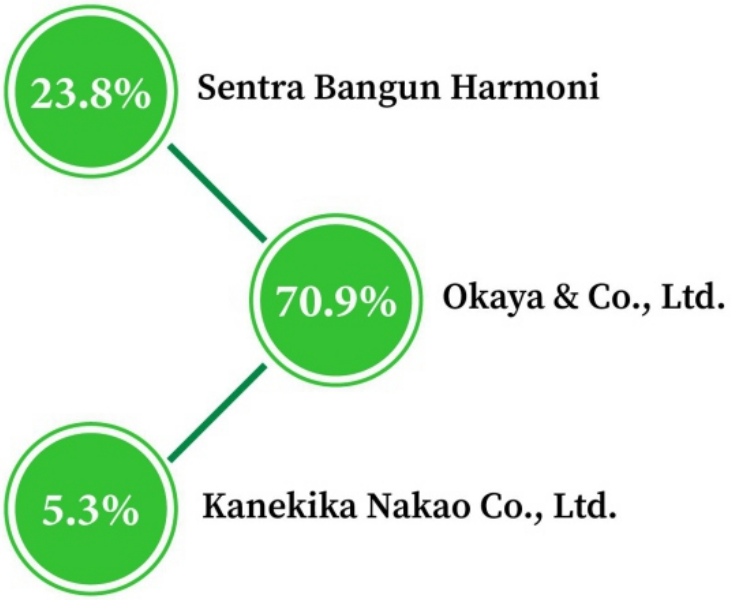
PT Artokaya Indonesia aims to fully provide design, manufacture, supervision, and after-sales services (10 years guaranteed and maintenance consultation) for roofing and siding. We use high-quality aluminized coated steel and colour coated steel.

As a subsidiary of Okaya & Co., Ltd., PT Artokaya Indonesia provide high Japanese stardard in its products and design. PT Artokaya Indonesia already had many projects experience with world-class contractors like Takenaka, Obayashi, Kajima, Taisei, Hazama, and many others.

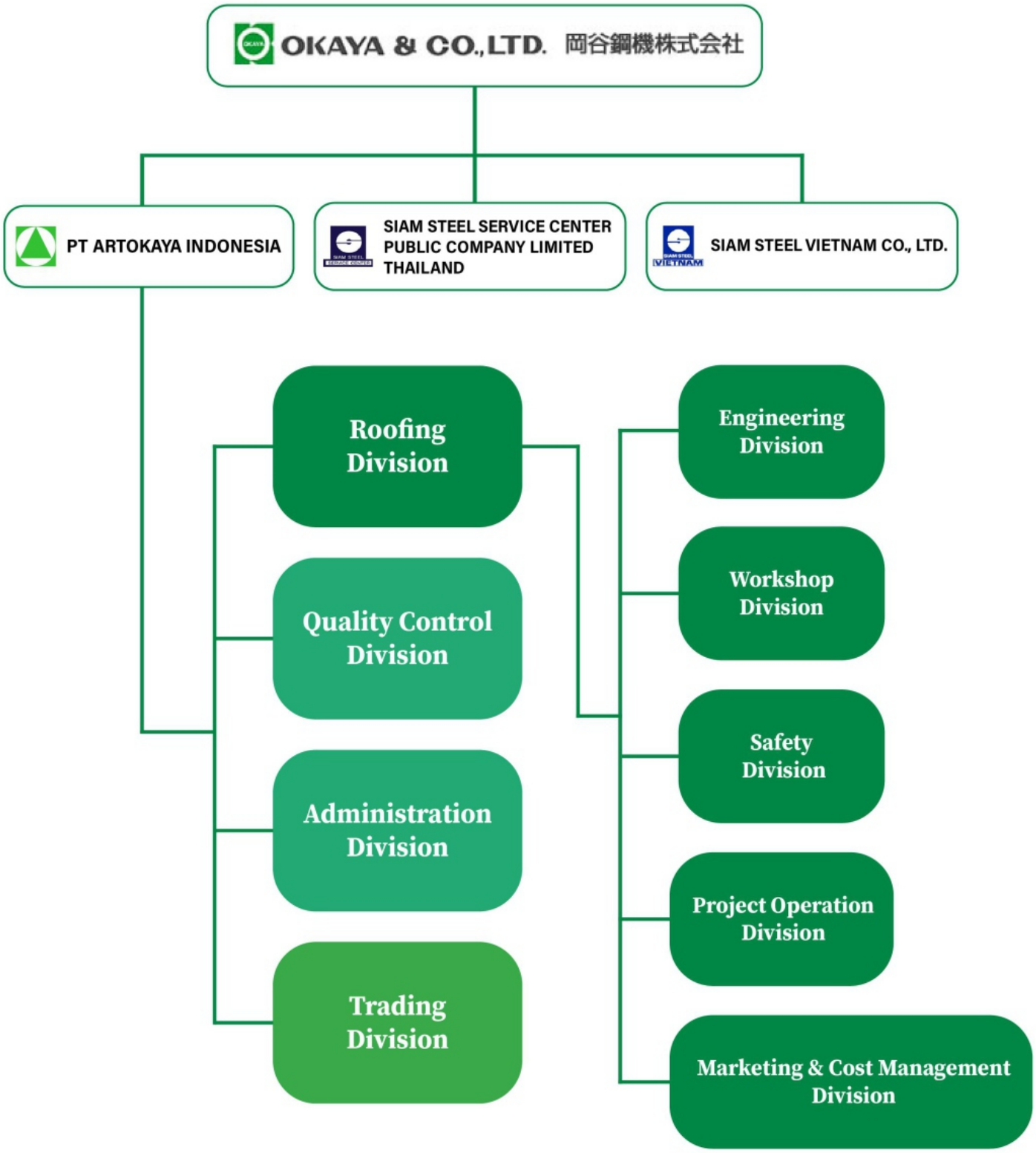
PT Artokaya Indonesia also has a trading division that handles everything in the manufacturing process, from raw materials, manufacturing equipment, peripherals, and system construction to factory construction.

We devote ourselves to fulfil our customer request with our best total services.

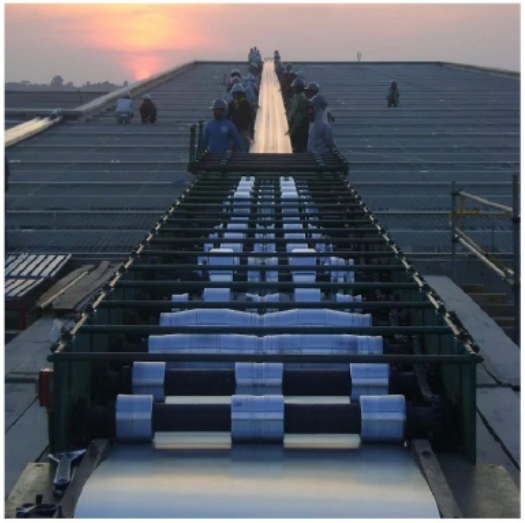
Our Shareholders



STRUCTURAL ORGANIZATION



PROJECT EXPERIENCES

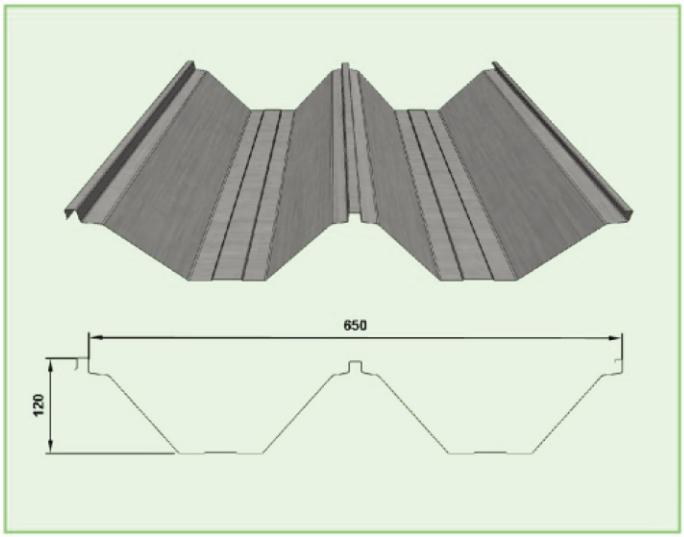


PROJECT EXPERIENCES

No	Project	Year	Roof Area (m^2)
1	Steel Industry	2021	9410
2	Food Industry	2021	32394
3	Automotive Industry	2021	5944
4	Electronic Industry	2020	8721
5	Chemical Industry	2020	8864
6	Food and Agricultural Industry	2020	5615
7	Construction Machinery Industry	2020	26472
8	Automotive Industry	2020	10205
9	Warehouse	2020	1258
10	Automotive Industry	2020	2285
11	Automotive Industry	2020	3305
12	Shopping Mall	2020	1494
13	Steel Industry	2020	1054
14	Automotive Industry	2020	4023
15	Packaging Industry	2019	25683
16	Power Plant	2019	8465,1
17	Food Industry	2019	5801
18	Automotive Industry	2019	20266
19	Automotive Industry	2019	1064
20	Electronic Industry	2019	3095
21	Automotive Industry	2019	1232
22	Diesel Manufacturing Industry	2019	1531
23	Automotive Parts and Brake System Manufacturing Industry	2019	2711
24	Food Industry	2019	1382
25	Tire Manufacturing Industry	2019	4778
26	Food Industry	2019	2218
27	Automotive Parts Industry	2019	3745
28	Velg Allumunion Alloy Manufacturing Industry	2019	1375
29	Plastic Parts Manufacturer & Car Assembly Industry	2019	1051
30	Manufacturer Industry	2018	6496
31	Manufacturer Industry	2018	27653
32	Lubricant Industry	2018	25873
33	Logistic Industry	2018	11775
34	Glass Manufaturer Industry	2018	27726
35	Electronic Manufacturer Industry	2018	4114
36	Automotive Industry	2018	2023
37	Tire Manufacturing Industry	2018	1055
38	Automotive Industry	2018	1359
39	Power Plant	2018	6996
40	Steel Industry	2018	5773

No	Project	Year	Roof Area (m^2)
41	Food Industry	2018	5159
42	Automotive Industry	2018	1313
43	Automotive Industry	2018	1039
44	Automotive Industry	2018	2689
45	Automotive Industry	2018	1115
46	Zipper Industry	2017	6669
47	Public Transportation	2017	18761
48	Building Materials Industry	2017	29921
49	Food Industry	2017	2782
50	Plastic Painting and Injection Moldin	2017	2213
51	Textile Industry	2017	2148
52	Tire Manufacturing Industry	2017	4567
53	Textile Industry	2017	1581
54	Logistic Industry	2017	19781
55	Automotive Industry	2017	14901
56	Insulating Material Industry	2016	9760
57	Shopping Mall	2016	15754
58	Logistic Industry	2016	29921
59	Automotive Industry	2016	1729
60	Food Industry	2016	1911
61	Manufacturer Industry	2016	9957
62	Automotive Industry	2015	76732
63	Steel Industry	2015	28901
64	Steel Industry	2015	39674
65	Automotive Industry	2015	1400
66	Automotive Industry	2015	4096
67	Automotive Industry	2015	7178
68	Building Materials Industry	2015	2465,55
69	Food Industry	2015	4529
70	Automotive Industry	2015	9424
71	Electronic Industry	2015	33485
72	Garment Industry	2015	1021
73	Automotive Industry	2015	2233
74	Automotive Industry	2015	2157
75	Automotive Industry	2015	9273
76	Food Industry	2015	3800
77	Automotive Industry	2015	6151
78	Automotive Industry	2015	9273
79	Electronic Industry	2015	25059
80	Automotive Industry	2015	9424

V-650NB Profile

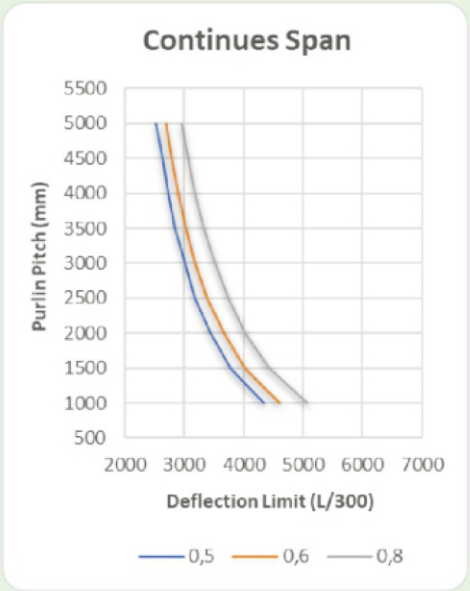


SPAN DATA

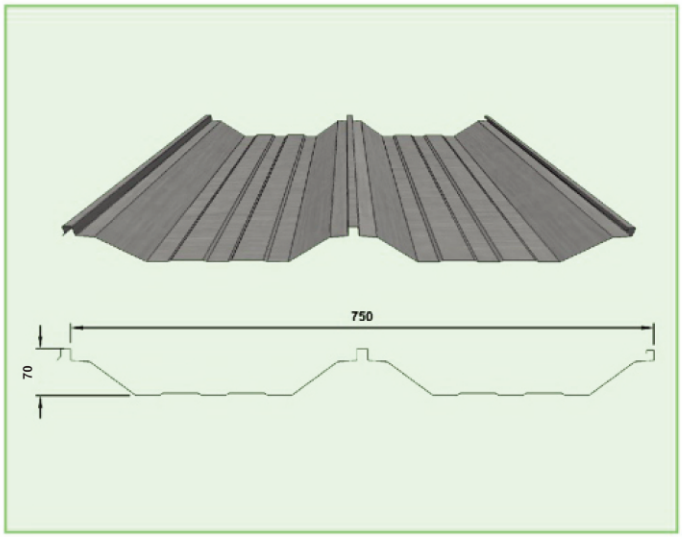
Thickness	Weight		Moment of Inertia (I)	Section Modulus (z)
mm	kg/m	kg/m^2	cm^4/mm	cm^3/mm
0.5 (tct)	3.87	5.95	93.17	18.79
0.6 (tct)	4.58	7.05	111.80	23.55
0.8 (tct)	6.02	9.26	149.07	30.07

LOAD SPAN GRAPHS

V-650NB (Maximum Deflection : L/300)



V-750 Profile

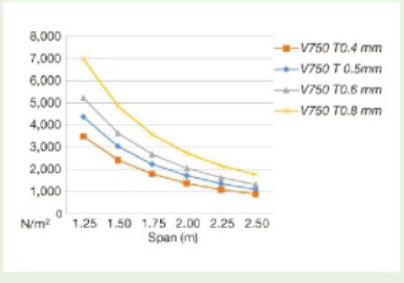


SPAN DATA

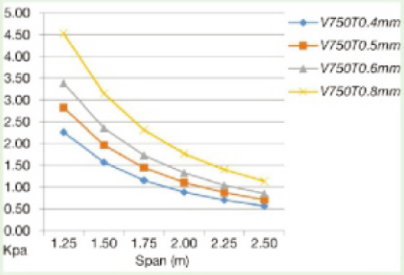
Thickness	Weight		Moment of Inertia (I)	Section Modulus (z)
mm	kg/m	kg/m^2	cm^4/mm	cm^3/mm
0.5	2.84	5.67	20.61	4.74
0.6	3.44	6.88	24.73	5.93
0.8	4.65	9.29	32.98	7.90

LOAD SPAN GRAPHS

V-750NB (Uniform Load & Wind Up Lift Data)

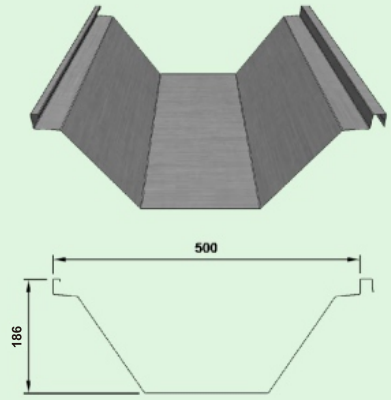


Uniform Load Data



Wind Up Lift Data

V-500NB Profile

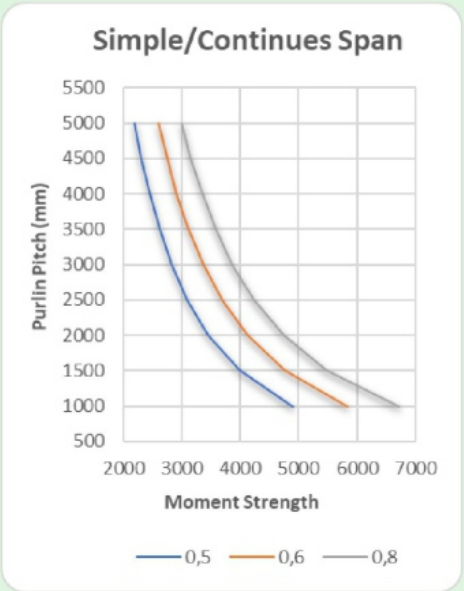


SPAN DATA

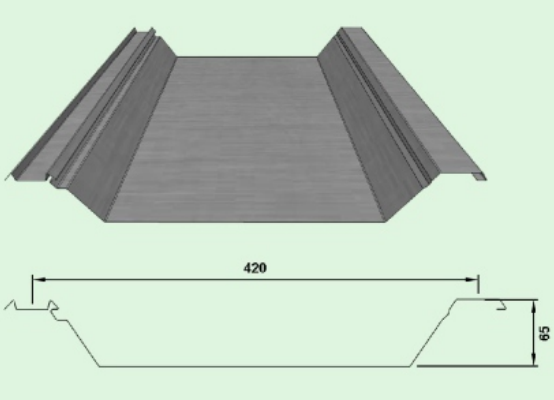
Thickness	Weight		Moment of Inertia (I)	Section Modulus (z)
mm	kg/m	kg/m^2	cm^4/mm	cm^3/mm
0.5	3.06	6.12	169.74	26.07
0.6	3.77	7.53	202.06	31.03
0.8	5.02	10.03	267.58	41.10

LOAD SPAN GRAPHS

V-500NB (Maximum Moment Strength)



V-420NB Profile

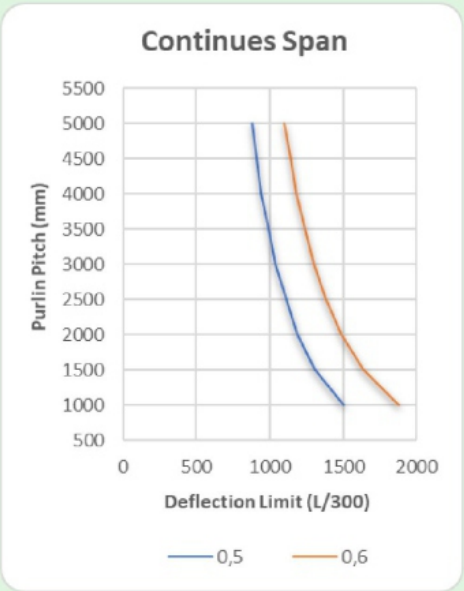


SPAN DATA

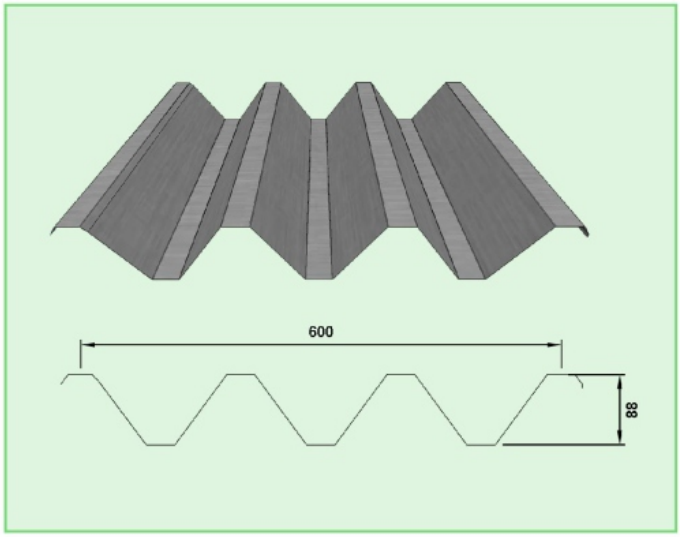
Thickness	Weight		Moment of Inertia (I)	Section Modulus (z)
mm	kg/m	kg/m^2	cm^4/mm	cm^3/mm
0.50	3.87	6.45	3.90	2.00
0.60	4.58	7.63	7.60	5.00

LOAD SPAN GRAPHS

V-420NB (Maximum Deflection : L/300)



WS-600 Profile

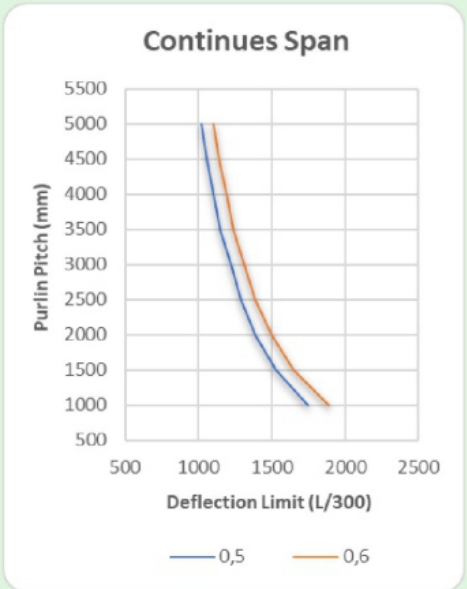


SPAN DATA

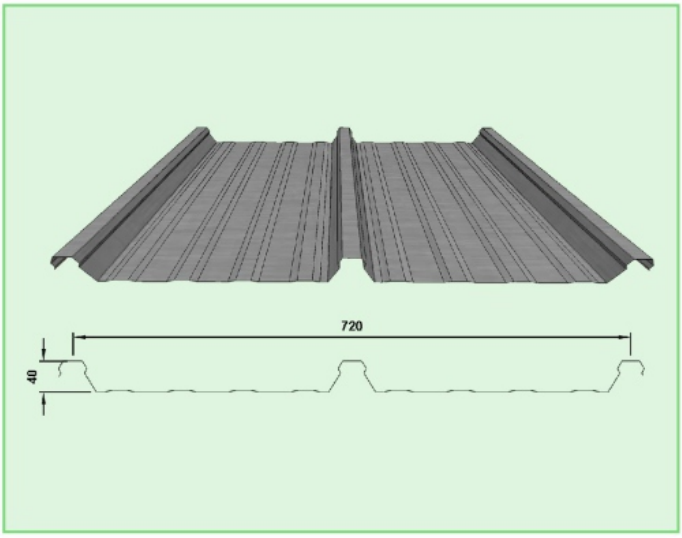
Thickness	Weight		Moment of Inertia (I)	Section Modulus (z)
mm	kg/m	kg/m^2	cm^4/mm	cm^3/mm
0.50	3.87	6.45	60.80	13.00
0.60	4.58	7.63	75.70	16.20

LOAD SPAN GRAPHS

WS-600 (Maximum Moment Strength)



W-720 Profile

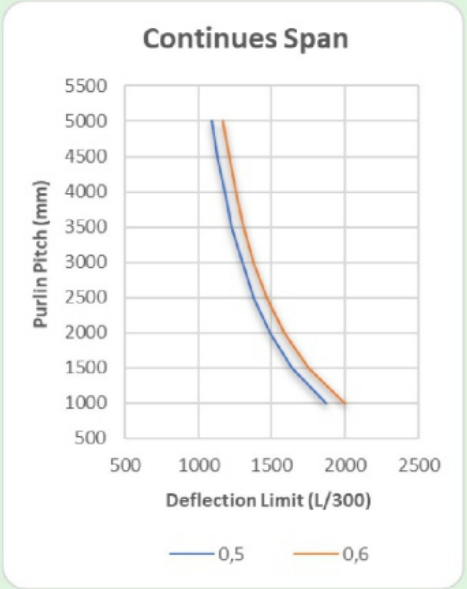


SPAN DATA

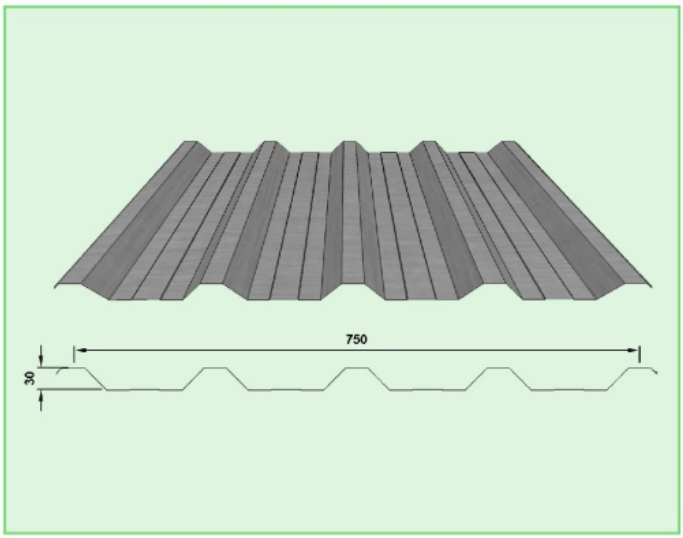
Thickness	Weight		Moment of Inertia (I)	Section Modulus (z)
mm	kg/m	kg/m^2	cm^4/mm	cm^3/mm
0.50	3.81	5.29	7.54	6.38
0.60	4.53	6.29	9.15	7.75

LOAD SPAN GRAPHS

W-720 (Maximum Deflection : L/300)



U-750 Profile

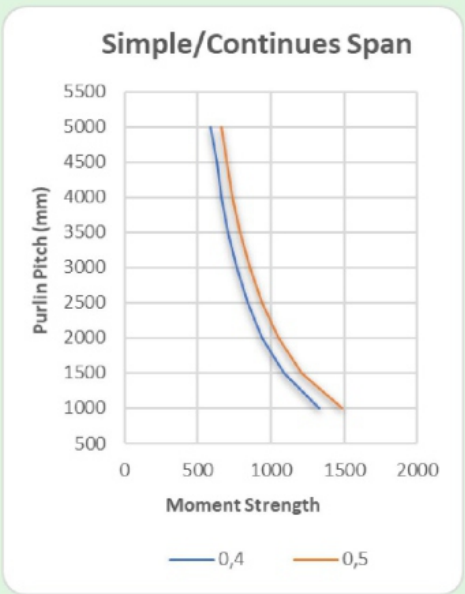


SPAN DATA

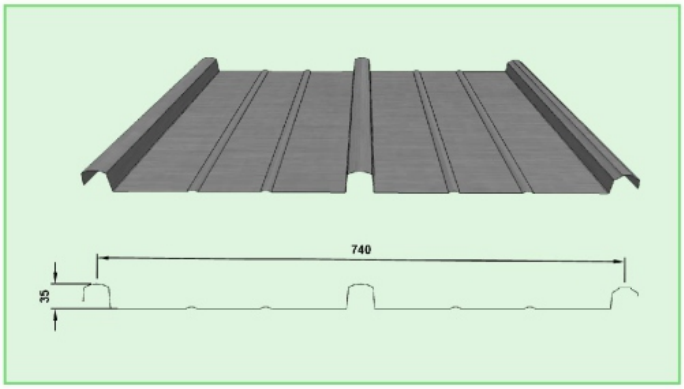
Thickness	Weight		Moment of Inertia (I)	Section Modulus (z)
mm	kg/m	kg/m^2	cm^4/mm	cm^3/mm
0.40	3.09	4.12	2.86	1.63
0.50	3.81	5.08	3.55	2.03

LOAD SPAN GRAPHS

U-750 (Maximum Deflection : L/300)



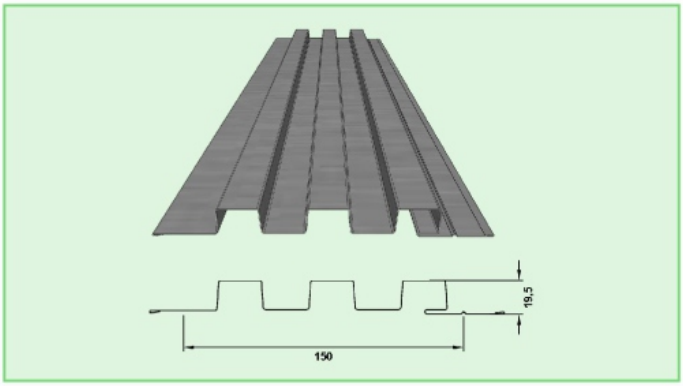
U-740 Profile



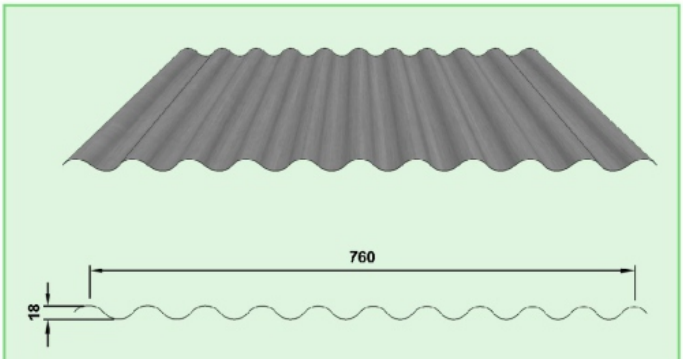
SPAN DATA

Thickness	Weight		Moment of Inertia (I)	Section Modulus (z)
mm	kg/m	kg/m^2	cm^4/mm	cm^3/mm
0.50	3.87	5.03	7.85	3.65
0.60	4.58	6.27	9.73	4.37
0.80	5.96	8.06		

SP-150 Profile



C-760 Profile



OUR PARTNER

Pebsteel is a global enterprise specializing in providing solutions for Pre-engineered Buildings and Steel Structures.

A pioneer in the steel building industry. Founded in Europe, Pebsteel brought the first pre-engineered buildings to Southeast Asia in 1994, with Japanese shareholders, Pebsteel operates in 10 regional sales offices and headquarters in Vietnam.Our 1.400+ strong team is made up of certified engineers and dedicated business personnel with a deep understanding of our customers need

.

We at Pebsteel are committed to providing our customers with world-class service through all stages of the process. From design to fabrication, and post-sales assistance, we are there for you every step of the way.

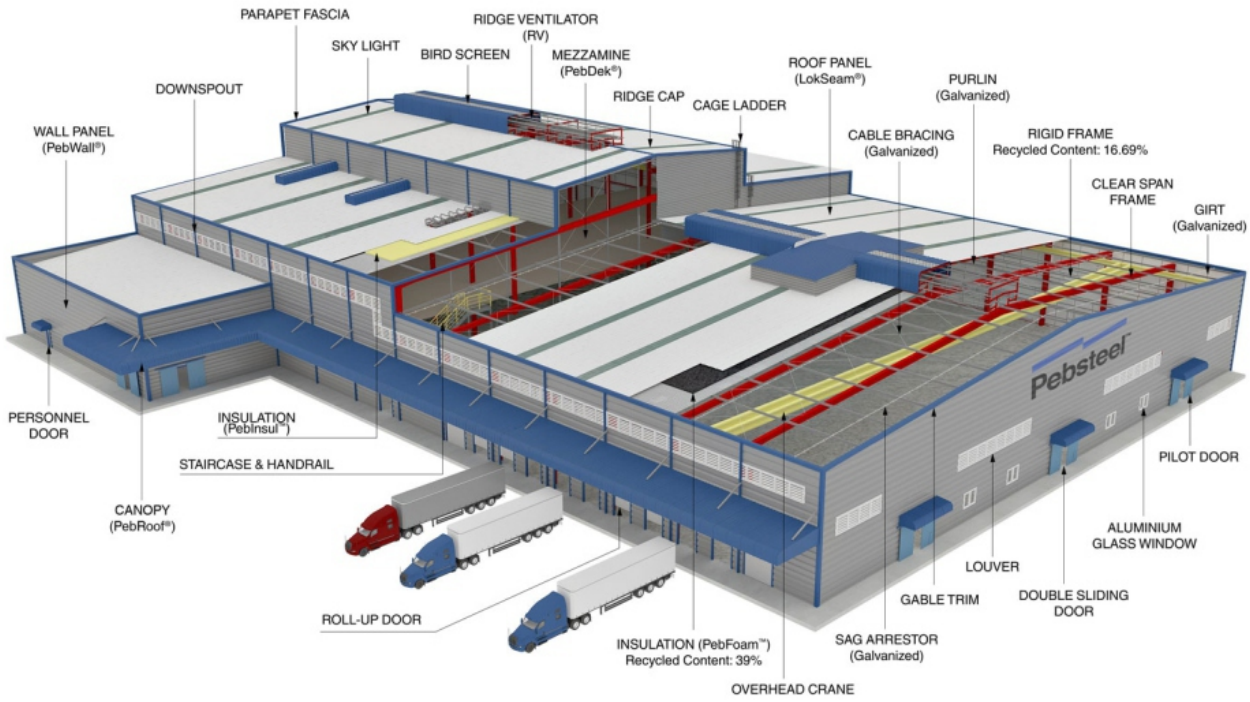
With six factories in Vietnam and one in Myanmar boosting a total capacity to 100,000+ MT / year, Pebsteel maintains an inventory of 15,000 MT of steel ready to go, allowing for a prompt start to any project.

Japanese Shareholders

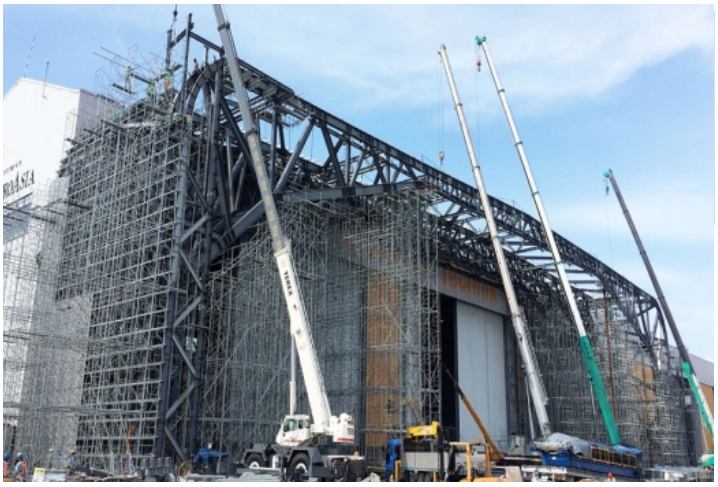
OKAYA & CO., LTD.

NIPPON STEEL

1994	50+	10	100+
established	countries we served	regional sales offices	in-house engineers



PEB Steel Buildings Co., Ltd. Project Experiences



OUR TECHNICAL AND MATERIAL PARTNERS

BlueScope

PT. INTEC PERSADA
INTEC
Solusi Atap Terbaik

Sanko Metal Industrial
Sanko

Product Information

Name of product : Translucent corrugated roofing sheet
Name of material : Glass Fiber Reinforced Polymer (GFRP) Composite
Profile type : Customized
Thickness : 1.20 mm, 1.50 mm, 2.0 mm, 2.5 mm, 3.0 mm, 4.0 mm
Maximum of length : 12 m
Light transmit : 40 - 50% (COOL, light white
: 50 - 65% (CLEAR, light green)

Material Specification

Anti-aging upper surface system : double layers UV protection system
UV protective upper plastic film : PET anti UV plastic film
UV protective gelcoat : 230 micron thickness of isophthalic unsaturated polyester resin
Matrix of structural lamination : weather-proof orthophthalic unsaturated polyester resin fire retardant system
Reinforcement system : E-glass (alkali-free glass fiber)

Physical - Mechanical Properties of Material

Density (ASTM D792) : 1450 - 1550 kg/m3
Tensile strength (ASTM D638) : 65 - 95 Mpa
Modulus of elasticity (ASTM D638) : 2000 - 3000 Mpa
Linear thermal expansion (ASTM E831) : 483 µm/m°C
Normal service temperature : 60 °C
Heat deflection temperature (ASTM D684) : 260 °C
Horizontal flammability (UL94) : HB

Chemical Resistance Performance

The roofing sheet material can be used safely in foggy environment of chemical substance as the table below

ACIDS	ALKALINES
Hydrochloric Acid 20%	Amonium Hydroxide 10%
Nitric Acid	Natrium Hydroxide 3%
Oleic Acid Conc.	Amonium Sulphate
Phosphoric Acid 30%	Sodium Hypochlorite (Chlorine)
Sulphuric Acid 30%	Sodium Hydroxide 25%
Sulfurous Acid 3%	

SALTS	ORGANICS
Ammonium Carbonate	Acetic Acid 25%
Copper Chloride	Ethanol
Nickel Chloride	Heptanol
Pottasium Carbonate	Kerosene
Sodium Carbonate	Turpentine
Zinc Sulphate	Urea

Product Information

Name of product : Solid / Opaque Corrugated Roofing Sheet
Name of material : Glass Fiber Reinforced Polymer (GFRP) Composite
Profile type : Customized
Thickness : 1.50 mm, 2.0 mm, 2.5 mm, 3.0 mm, 4.0 mm
Maximum of length : 12 m
Color : Customized

Material Specification

Anti-aging upper surface system : double layers UV protection system
UV protective upper plastic film : PET anti UV plastic film
UV protective gelcoat : 230 micron thickness of isophthalic unsaturated polyester resin
Matrix of structural lamination : weather-proof orthophthalic unsaturated polyester resin fire retardant system
Reinforcement system : E-glass (alkali-free glass fiber)

Physical - Mechanical Properties of Material

Density (ASTM D792) : 1500 - 1600 kg/m3
Tensile strength (ASTM D638) : 75-115 Mpa
Modulus of elasticity (ASTM D638) : 3000 - 6000 Mpa
Linear thermal expansion (ASTM E831) : 483 µm/m°C
Normal service temperature : 65 °C
Heat deflection temperature (ASTM D684) : 260 °C
Horizontal flammability (UL94) : HB

Chemical Resistance Performance

The roofing sheet material can be used safely in foggy environment of chemical substance as the table below

ACIDS	ALKALINES
Hydrochloric Acid 20%	Amonium Hydroxide 10%
Nitric Acid	Natrium Hydroxide 3%
Oleic Acid Conc.	Amonium Sulphate
Phosphoric Acid 30%	Sodium Hypochlorite (Chlorine)
Sulphuric Acid 30%	Sodium Hydroxide 25%
Sulfurous Acid 3%	

SALTS	ORGANICS
Ammonium Carbonate	Acetic Acid 25%
Copper Chloride	Ethanol
Nickel Chloride	Heptanol
Pottasium Carbonate	Kerosene
Sodium Carbonate	Turpentine
Zinc Sulphate	Urea

Product Information

Name of product : Beam Pultrusion for Purlin
Name of material : Glass Fiber Reinforced Polymer (GFRP) Composite
Profile type : C 125x50x20x7 mm for 6 m of span (3.05 kg/m)
: C 125x50x20x9 mm for 7.5 m of span (3.92 kg/m)
C 150x65x20x7 mm for 7.5 m of span (4.76 kg/m)
Z 250x100x8 mm for 9 m of span (7.25 kg/m)
Color : Grey

Material Specification

Matrix of structural lamination : weather-proof orthophthalic unsaturated polyester resin fire retardant system
Reinforcement system : E-glass (alkali-free glass fiber)
Roving yarn and stich mat

Physical - Mechanical Properties of Material

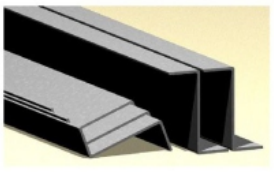
Density (ASTM D792) : 1800 - 2000 kg/m3
Tensile strength (ASTM D638) : 375 - 450 Mpa
Modulus of elasticity (ASTM D638) : 19000 - 22000 Mpa
Linear thermal expansion (ASTM E831) : 483 µm/m°C
Normal service temperature : 65 °C
Heat deflection temperature (ASTM D684) : 260 °C
Horizontal flammability (UL94) : HB

Chemical Resistance Performance

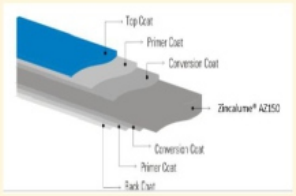
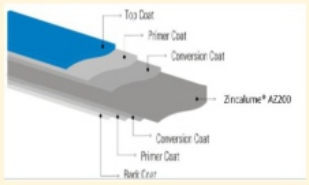
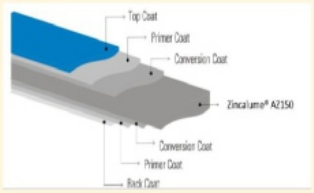
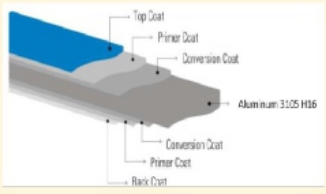
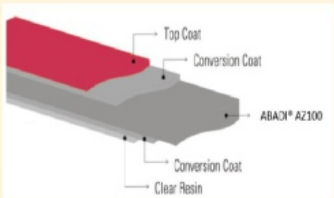
The roofing sheet material can be used safely in foggy environment of chemical substance as the table below

ACIDS	ALKALINES
Hydrochloric Acid 20%	Amonium Hydroxide 10%
Nitric Acid	Natrium Hydroxide 3%
Oleic Acid Conc.	Amonium Sulphate
Phosphoric Acid 30%	Sodium Hypochlorite (Chlorine)
Sulphuric Acid 30%	Sodium Hydroxide 25%
Sulfurous Acid 3%	

SALTS	ORGANICS
Ammonium Carbonate	Acetic Acid 25%
Copper Chloride	Ethanol
Nickel Chloride	Heptanol
Pottasium Carbonate	Kerosene
Sodium Carbonate	Turpentine
Zinc Sulphate	Urea



Material Line - Up PT.NS BlueScope Indonesia

Classification	Product Name (NS BlueScope Indonesia)	Certification Number	Structure of Cross Section	Type of Paint/Resin
BARE PRODUCT	ZINCALUME®	AUSTRALIAN STANDARD AS/NZS 1365:1996 AS 1397:2011 INDONESIA STANDARD SNI 4096:2007		Clear resin coating
	ZINCALUME®ULTRA	AUSTRALIAN STANDARD AS/NZS 1365:1996 AS 1397:2011 INDONESIA STANDARD SNI 4096:2007		Clear resin coating
PRE PAINTED PRODUCT	CLEAN COLORBOND® XRW	AUSTRALIAN STANDARD AS/NZS 2728:2013 AS 1397:2011 INDONESIAN STANDARD SNI 8305:2019 SNI 4096:2007		SUPER POLYESTER
	CLEAN COLORBOND® ULTRA	AUSTRALIAN STANDARD AS/NZS 2728:2013 AS 1397:2011 INDONESIAN STANDARD SNI 8305:2019 SNI 4096:2007		SUPER POLYESTER
	CLEAN COLORBOND® XPD	AUSTRALIAN STANDARD AS/NZS 2728:2013 AS 1397:2011 INDONESIAN STANDARD SNI 8305:2019 SNI 4096:2007		PVDF
	CLEAN COLORBOND® XAL	AUSTRALIAN STANDARD AS/NZS 2728:2013 AS 1397:2011		PVDF
	KIRANA®	AUSTRALIAN STANDARD AS/NZS 2728:2013 AS 1397:2011 INDONESIAN STANDARD SNI 8305:2019 SNI 4096:2007		Polyester

Function	General Warranty	Estimated Maintenance Cycle	Product Information
General Manufacture Roofing Walling (Cladding)	Up to 20 years Note : for Industrial and Severe Marine Environment please consult to Sales and Marketing PT. NS BlueScope Indonesia	Washing should be done 6 (six) monthly as a minimum	Composition from Alumunium 55 %, Zinc 43.5 % and Silicon 1.5 % with coating mass 150 gr/m2 total for both side to give a maximum corrotion performance
General Manufacture Roofing Walling (Cladding)	Up to 25 years Note : for Industrial and Severe Marine Environment please consult to Sales and Marketing PT. NS BlueScope Indonesia	Washing should be done 6 (six) monthly as a minimum	Composition from Alumunium 55 %, Zinc 43.5 % and Silicon 1.5 % with coating mass 200 gr/m2 total for both side to give a maximum corrotion performance
General Manufacture Roofing Walling (Cladding)	Up to 25 years Note : for Industrial and Severe Marine Environment please consult to Sales and Marketing PT. NS BlueScope Indonesia	Washing should be done 6 (six) monthly as a minimum	Substrate: ZINCALUME® G550 AZ150 steel (Alumunium/Zinc alloy-coated steel) ZINCALUME® G300 AZ150 steel (Alumunium/Zinc alloy-coated steel) Pretratment: Corrosion resistant proprietary conversion coating Primer Coat: Universal corrosion inhibitive primer. Nominal dry film thickness 5µm each side Finish Coat: Custom formulated super polyester paint system with high performance pigments. Nominal dry film thickness 20µm on the top or weather side Backing Coat: Custom formulated Shadow Grey. Nominal dry film thickness 5µm Colour: A range of standard colours is available, Other specifically required colours may be available on request
General Manufacture Roofing Walling (Cladding)	Up to 30 years Note : for Industrial and Severe Marine Environment please consult to Sales and Marketing PT. NS BlueScope Indonesia	Washing should be done 6 (six) monthly as a minimum	Substrate: ZINCALUME® G550 AZ200 steel (Alumunium/Zinc alloy-coated steel) ZINCALUME® G300 AZ200 steel (Alumunium/Zinc alloy-coated steel) Pretratment: Corrosion resistant proprietary conversion coating Primer Coat: Universal corrosion inhibitive primer. Nominal dry film thickness 5µm each side Finish Coat: Custom formulated super polyester paint system with high performance pigments. Nominal dry film thickness 20µm on the top or weather side Backing Coat: Custom formulated Shadow Grey. Nominal dry film thickness 5µm Colour: A range of standard colours is available, Other specifically required colours may be available on request
General Manufacture Roofing Walling (Cladding)	Up to 25 years Note : for Industrial and Severe Marine Environment please consult to Sales and Marketing PT. NS BlueScope Indonesia	Washing should be done 6 (six) monthly as a minimum	Substrate: ZINCALUME® G550 AZ150 steel (Alumunium/Zinc alloy-coated steel) ZINCALUME® G300 AZ150 steel (Alumunium/Zinc alloy-coated steel) Pretratment: Corrosion resistant proprietary conversion coating Primer Coat: Universal corrosion inhibitive primer. Nominal dry film thickness 5µm each side Finish Coat: Custom formulated PVDF paint system with high performance pigments. Nominal dry film thickness 20µm on the top or weather side Backing Coat: Custom formulated Shadow Grey. Nominal dry film thickness 5µm Colour: A range of standard colours is available, Other specifically required colours may be available on request
General Manufacture Roofing Walling (Cladding)	Up to 35 years Note : for Industrial and Severe Marine Environment please consult to Sales and Marketing PT. NS BlueScope Indonesia	Washing should be done 6 (six) monthly as a minimum	Substrate: Alumunium 3105 H16 Pretratment: Corrosion resistant proprietary conversion coating Primer Coat: Universal corrosion inhibitive primer. Nominal dry film thickness 5µm each side Finish Coat: Custom formulated PVDF paint system with high performance pigments. Nominal dry film thickness 20µm on the top or weather side Backing Coat: Custom formulated Shadow Grey. Nominal dry film thickness 5µm Colour: A range of standard colours is available, Other specifically required colours may be available on request
General Manufacture Roofing Walling (Cladding)	Up to 10 years Note : for Industrial and Severe Marine Environment please consult to Sales and Marketing PT. NS BlueScope Indonesia	Washing should be done 6 (six) monthly as a minimum	Substrate: ABADI® G550 AZ100 steel (Alumunium/Zinc alloy-coated steel) ABADI® G300 AZ100 steel (Alumunium/Zinc alloy-coated steel) Pretratment: Corrosion resistant proprietary conversion coating Primer Coat: N/A Finish Coat: Polyester paint system with Nominal dry film thickness 12µm on the top or weather side Backing Coat: Abu Semeru. Nominal dry film thickness 5µm Colour: A range of standard colours is available, Other specifically required colours may be available on request

PT ARTOKAYA INDONESIA
Kawasan Industri Jababeka Tahap II
Blok QQ/11 Cikarang, West Java, Indonesia
Phone : (021) 893 4757 /893 4758
Fax : (021) 893 4719