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Complied with JIS A 5430:2004 standards

ASBESTOS FREE

Fiber cement corrugated roofing sheet

Advantages

- Contains NO Asbestos
- Corrosion resistance
- Weatherproof
- Non- combustible
- Maintenance-free
- Easy to install and fix

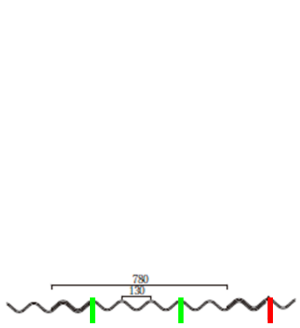
About US

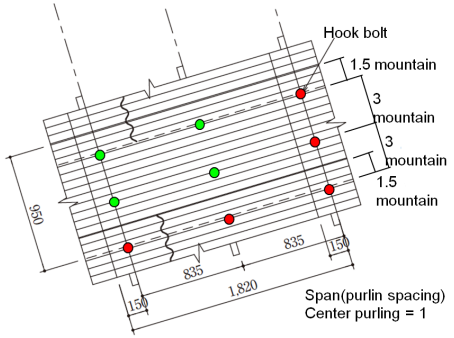
We are the first and only manufacturer in Vietnam who has succeed with non-asbestos fiber cement corrugated roofing sheet in compliance with JIS standard.
Our production line is highly automated modern lines, particularly in the material processing, dosing and product formation phase.
Our plant is located in Ky Son Industrial Area, Hai Duong province, which is only 50km from Haiphong, the busiest international seaport in northern Vietnam.
Our fiber cement roofing sheets is completely ASBESTOS-FREE.
Reinforcement material is KURALON fiber, manufactured and supplied by the KURARAY GROUP, a world famous manufacturer of chemical and synthetic fiber.
Our products comply with JIS A 5402:2002 standard.

Modern production line and high automation level

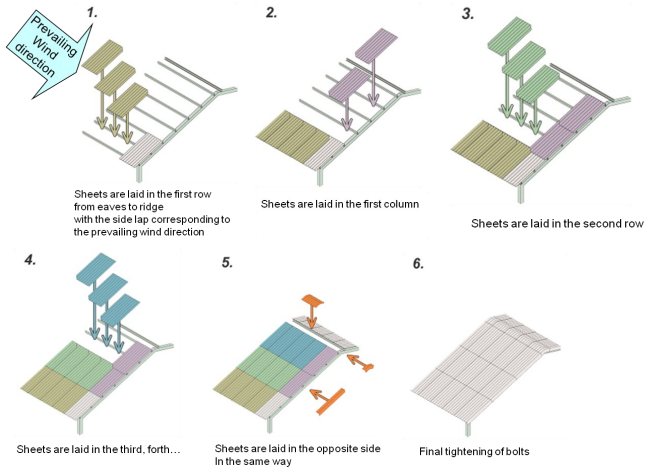
Installation guide line: end laps, fixing:

Minimum end lap	150mm
Side lap	170mm (1.5 mountain)
Maximum unsupported overhang	300mm
Minimum roof pitch	8°
*Standard roof pitch	17°
Span	Center purling = 1
*Maximum purlin spacing	985 mm
Fixing	4 bolts per sheet
	(2 bolts per purlin per sheet)

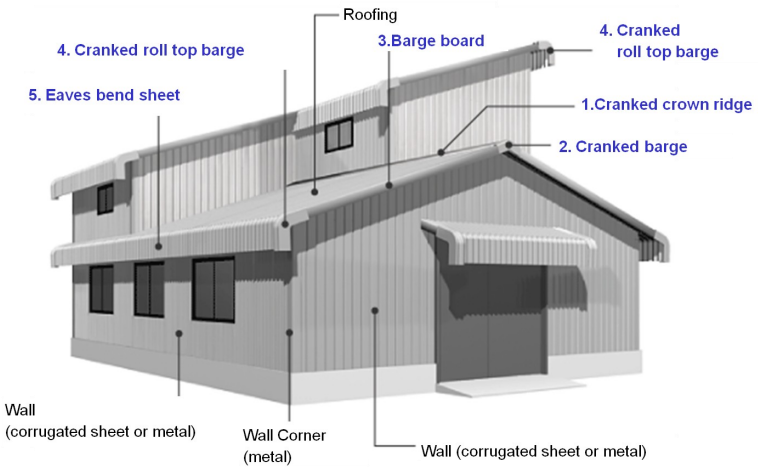




Laying sequence:



Roofing accessories- Medium wave profile 130/35



Maximum bending strength - Uniformly distribute bending strength

Span	Sheet length (mm)	Overlap (mm)	span (mm)	Bending strength (N/m2)
	1820	150	835	9469
Center purlin = 1	2000	180	910	7973
	2120	150	985	6805

Other reference:

Span	Sheet length (mm)	Overlap (mm)	span (mm)	Bending Load (N/m2)
			1200	4585
Center purlin = 1			1500	2934

ASBESTOS BAN:

Fiber-cement asbestos based products had been widely used in the world due to their versatility as corrugated and flat roofing materials, cladding panels presented in large number of building and agriculture applications.
Following the worldwide tendency for replacing asbestos, manufactures started to look for new alternatives for fiber reinforcement which comply with Hatschek machines and provides good performance and high functional durability products. In addition to long term durability, compatibility to Portland cement matrix, process ability, availability and cost, alternative fibers for reinforcement must have high mechanical properties. High tenacity, high modulus and reduced elongation at rupture are considered key attributes.

PVA FIBER AS AN ALTERNATIVE TO ASBESTOS FIBER:

It is apparent that the long-term durability under hostile environments is required for a reinforcement material used in roofing. PVA fiber have been used as a reinforcement material of cement for more than 25 years because they have high alkaline resistance and high tensile strength. In fact, it was confirmed that the tensile strength of the fiber in cement sheet has kept their original levels after about 20 years outdoors exposure test. The change of tensile strength of the fiber with time is generally very small.

Testing of Kuralon (PVA filament yarn manufactured by Kuraray, JAPAN):
Yarn count and number of filament: 2000 dtex / 1000 filaments
Tensile strength : 196 N
Elongation at break : 6.7%
Elastic modulus : 4060 N(26.4 GPa)
Loss on boiling for 30 minutes : less than 1%

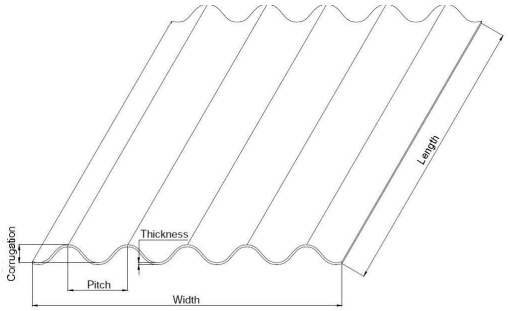
kuraray

VITD

Big wave profile 177/51 fiber cement roofing sheet

This profile is most popular in Vietnam and all around the world which used widely in residential building, agriculture and industrial application.

This profile comes in natural grey color.



Materials	(wt%)
PVA fiber "Kuralon"	1.0-2.0
Pulp (Cellulose fiber)	2.0-5.0
Inorganic additives	5.0-10.0
Cement (O.P.C.)	Balance

Test method	Results	Measurement
Bending load (more than)	3600	(N)
Water absorption (less than)	30	(%)
Shrinkage	approx. 0.25	(%)
Heat conductivity	0.3	(kcal / mh℃)

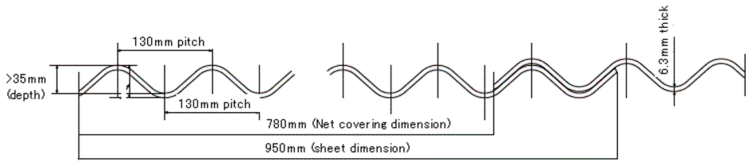
Dimension (mm)			Weight (kg/m^2)	Mountains	Overall Depth	Pitch of corrugations
Length	Width	Thick-ness				
1520 1800 2500 3000	920 (±5)	6.0 (±0.6)	14-15	5.5	51	177

To Order Call: +84.915.240.240

Medium wave profile 130/35 fiber cement roofing sheet

This profile is popular in Japan and Korea which used widely in residential building, agriculture and industrial application.

This profile comes in natural grey color.



Materials	(wt%)
PVA fiber "Kuralon"	1.0-2.0
Pulp (Cellulose fiber)	2.0-5.0
Inorganic additives	5.0-10.0
Cement (O.P.C.)	Balance

Test method	Results	Measurement
Bending load (more than)	3600	(N)
Water absorption (less than)	30	(%)
Shrinkage	approx. 0.25	(%)
Heat conductivity	0.3	(kcal / mh℃)

Dimension (mm)			Weight (kg/m^2)	Mountains	Overall Depth	Pitch of corrugations
Length	Width	Thick-ness				
1820 2000 2120 2400	960 (±5)	6.3 (±0.6)	14-15	7.5	>35	130