KMEW

https://www.kmew.co.jp/global/

2021.08

KMEW

2021

Ceradir V 14

KMEW Co., Ltd. (Japan)

KMEW is reliable and recognized company with a long history of manufacturing

Who we are

KMEW Co., Ltd. was founded as a joint venture between two Japanese industry titans, Matsushita Electric Works (now known as Panasonic Corporation) and Kubota Corporation. KMEW, including parent companies, has of a proven record of manufacturing fiber cement siding panels nearing 40 years in Japan.

High-performance building material

KMEW advanced technology has developed a substrate that provides long-term durability against any weather conditions, and a unique installation method with hidden clips for easy beautiful finish. These will maintain the building beautiful for years to come.

Safe and secured

All KMEW products are asbestos-free.
Developed eco-friendly products with recycled raw materials.
Contributes to the realization of a sustainable society.

Japan quality

People around the world trust in “Made-in-Japan.”
We at KMEW not only respond to this trust, but offer “Experience Beyond Expectation” with our products. We set up our own strict standards, and deliver the best possible products to various countries throughout the world.

Our history

Kubota Corporation

- 1890 The year of foundation
- 1981 Fiber cement siding panel launch
- 1985 Launch of Ceradir

Matsushita Electric Works Co., Ltd.
(now known as Panasonic Corporation)

- 1918 The year of foundation
- 1980 Fiber cement siding panel launch

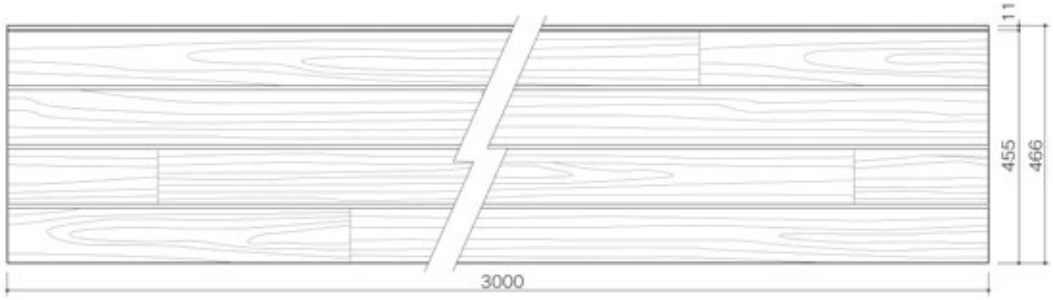
K + M = KMEW

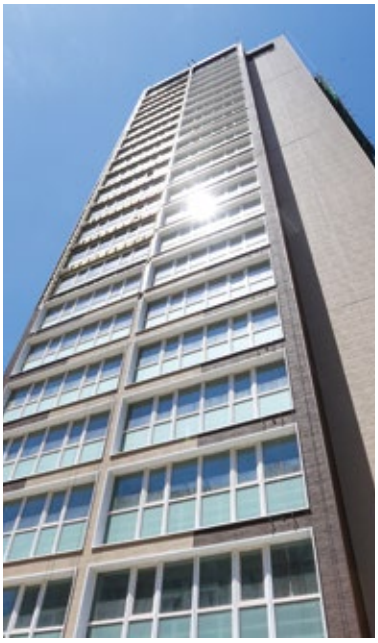
- 2003 The year of Foundation as Kubota Matsushita Denko Exterior Works Co., Ltd.
- 2010 Change of company name (KMEW, Co., Ltd.)
- 2015 Launch of Ceradir V for overseas market

⚠ Ceradir V siding panels application height needs to be checked with individual countries construction code for the local wind-load requirements at your own risk and responsibility.

Size and weight of siding panel

Length	:	3000 mm
Width	:	455 mm
Thickness	:	14 mm
Weight	:	21 kg / piece





Ceradir *V*

Features

Low-maintenance

Joints caulking free
Pre-finished coating with selfcleaning technology

Easy installation

Fastening with special clips and
dry installation

Environmentally friendly product

Asbestos free
Use recycle materials as raw materials

Excellent product performance

Excellent dimensional stability and weather
resistance by magic hole

Variety of textures and colors

Wide variety of textures and colors

[HCW1119GC] [HCW11128GC]

⚠ Ceradir V siding panels application height needs to be checked with individual countries construction code for the local wind-load requirements at your own risk and responsibility.

[HCW2324GC] [HCW2331GC] [HCW9142GC]

⚠ Ceradir V siding panels application height needs to be checked with individual countries construction code for the local wind-load requirements at your own risk and responsibility.

[HCW1111GC] [HCW11124GC]

[HCW1112GC] [HCW11124GC]

[HCW1111GC] [HCW1119GC]

⚠ Ceradir V siding panels application height needs to be checked with individual countries construction code for the local wind-load requirements at your own risk and responsibility.

[HCW2324GC]
[HCW9142GC]

[HCW11127GC] [HCW9143GC]

⚠ Ceradir V siding panels application height needs to be checked with individual countries construction code for the local wind-load requirements at your own risk and responsibility.

[HCW1111GC] [HCW1119GC] [HCW1967GC] [HCW1112GC]

[HCW2321GC] [HCW2323GC]

[HCW1119GC] [HCW11127GC]

[HCW1111GC] [HCW18111GC] [HCW1819GC] [HCW18110GC]

⚠ Ceradir V siding panels application height needs to be checked with individual countries construction code for the local wind-load requirements at your own risk and responsibility.

[HCW111124GC] [HCW1111GC]

[HCW9124GC] [HCW1111GC]

⚠ Ceradir V siding panels application height needs to be checked with individual countries construction code for the local wind-load requirements at your own risk and responsibility.

[HCW1111GC]　[HCW1119GC]

[HCW1111GC] [HCW1119GC] [HCW11124GC]

[HCW1111GC] [HCW1112GC] [HCW11124GC]

⚠ Ceradir V siding panels application height needs to be checked with individual countries construction code for the local wind-load requirements at your own risk and responsibility.

[HCW1111GC] [HCW1119GC]

[HCW9142GC]
[HCW18111GC]

[HCW1111GC]

[HCW11128GC] [HCW11127GC] [HCW1119GC]

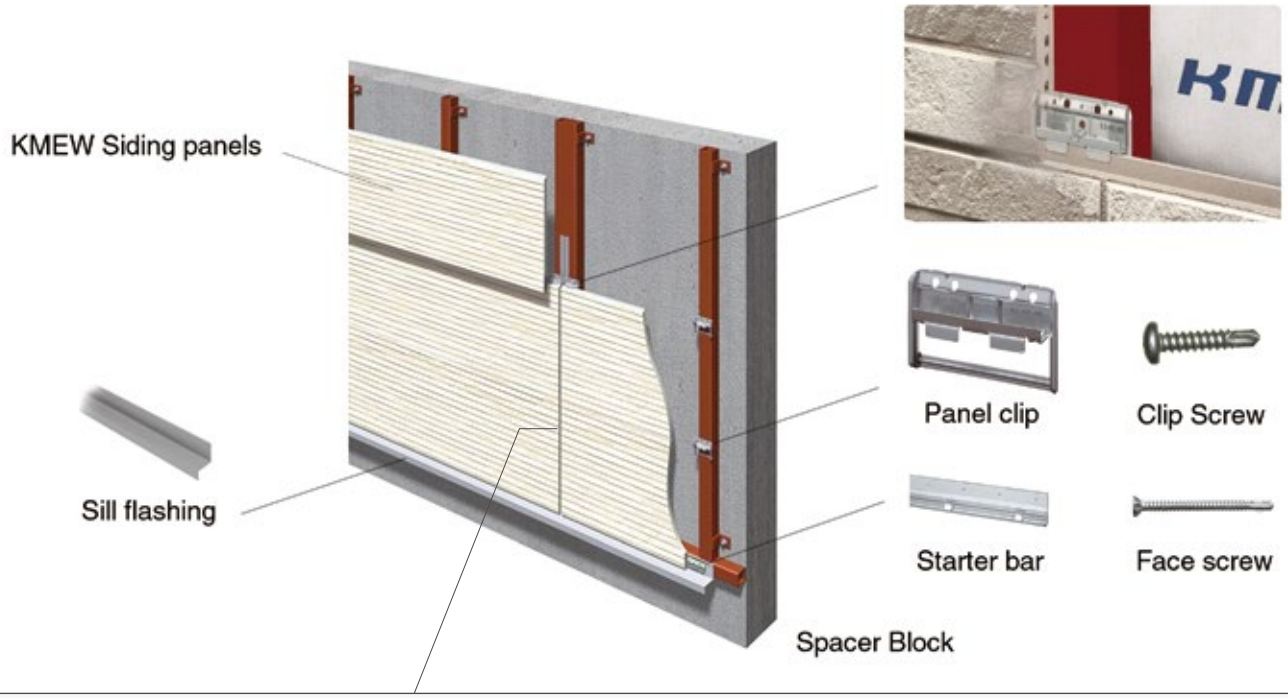
⚠ Ceradir V siding panels application height needs to be checked with individual countries construction code for the local wind-load requirements at your own risk and responsibility.

Easy installation

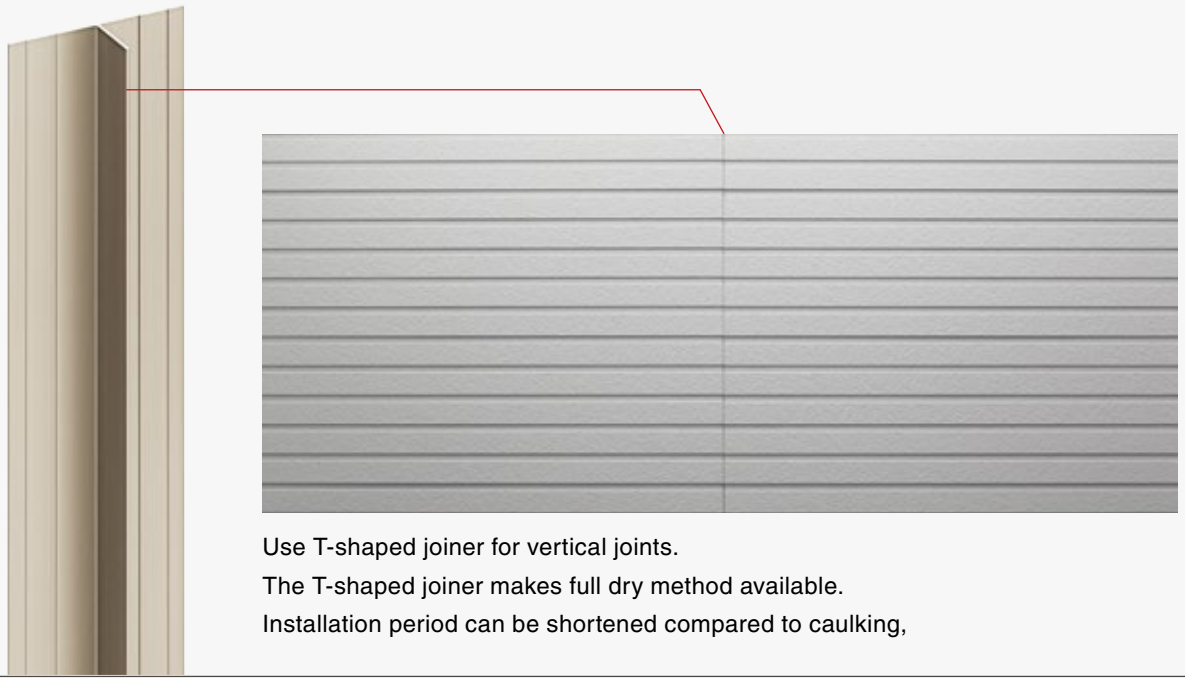
Easy to install and beautiful appearance

Lined up are not only siding panels but accessories such as clips and joiners to provide easy and beautiful installation.

All installation accessories are packaged for an easy & quick order and immediate installation.



T-shaped joiner



Use T-shaped joiner for vertical joints.

The T-shaped joiner makes full dry method available.

Installation period can be shortened compared to caulking,

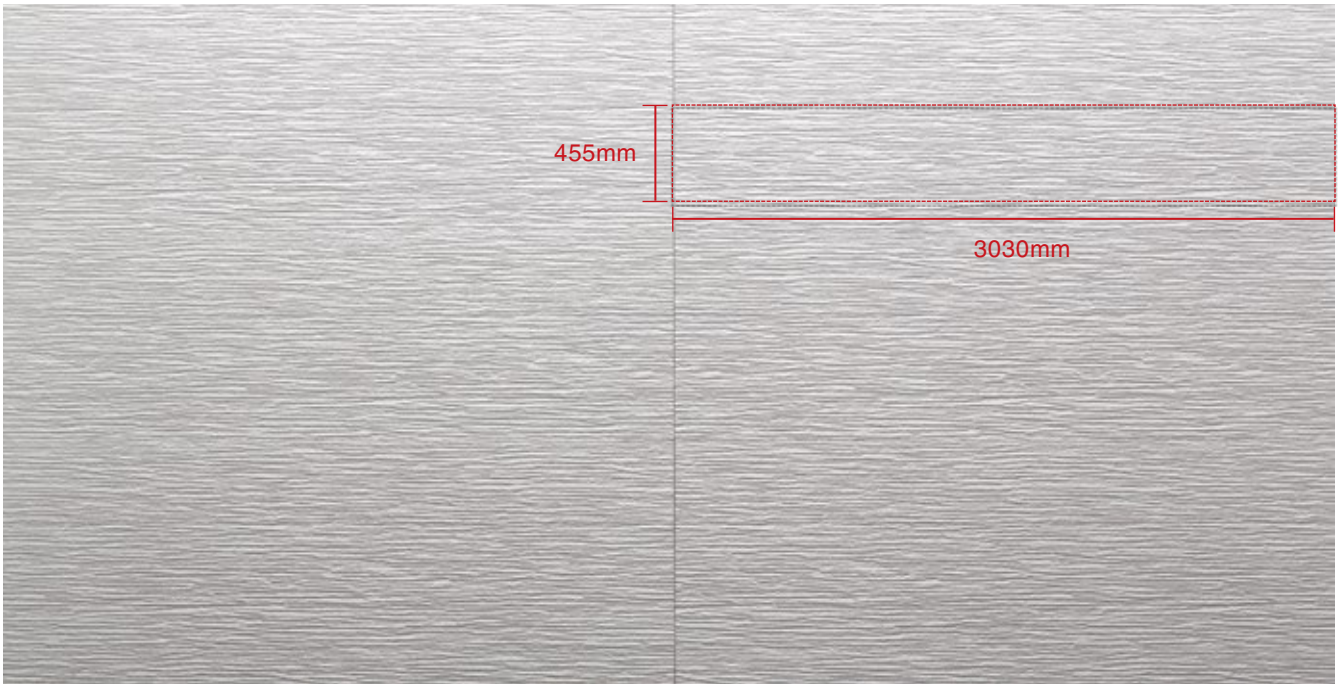
Seamless large wall

Hidden unique clips and T-shaped joiners provide not only easy installation, but also seamless large walls.

The thickness of T-shaped joiner is only 1.2mm.

T-shaped joiners provide a beautiful finish compared to caulking.

The seams between the panels are not visible. The beauty is exhibited especially when the panels are installed on a large wall.

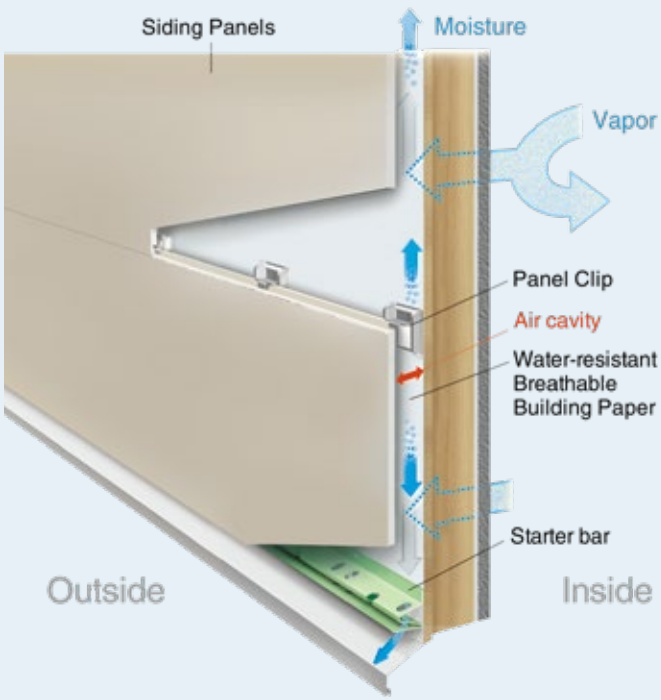


Rain screen system

Creates air cavity to keep moisture out.

The KMEW Rain Screen Siding System helps avoid mold and health problems and dry-rot in walls.

A “Air Cavity”, that is, an air passage created in wall cavities prevents dew condensation in the cavities by quickly releasing humid indoor air that permeates through inner walls and gaps between members to the outside .

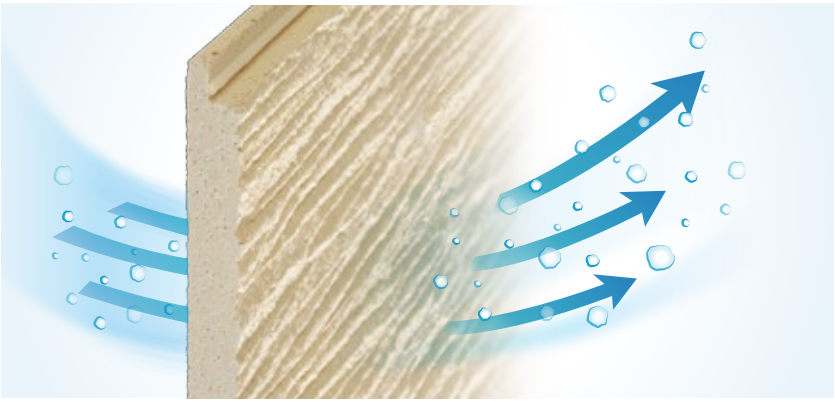


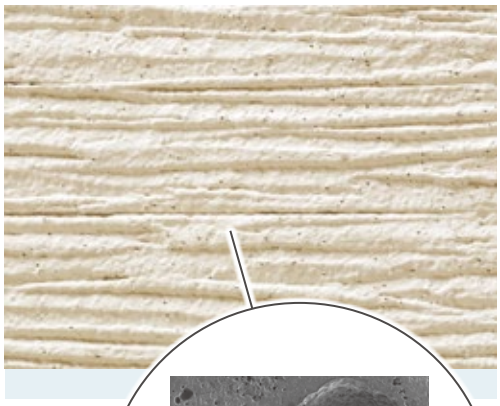
Excellent product performance

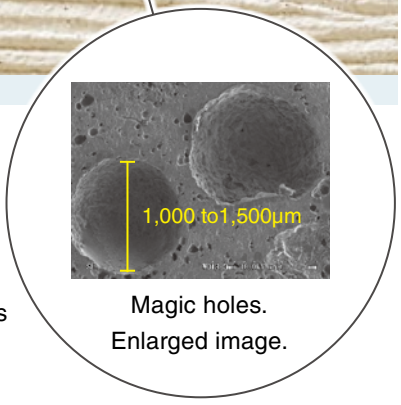
Durable

Ceradir V demonstrates long-term stable performance in both hot/humid areas with heavy rain throughout the year and cold areas with snow.

Breathable with magic holes







Magic holes.
Enlarged image.

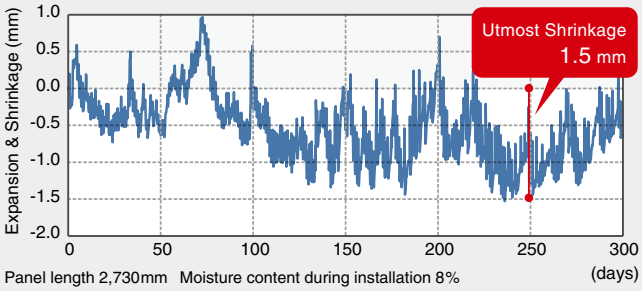
Generally the substate of fiber cement siding panel expands and contracts due to water absorption and exhaust, and this dimensional change causes deterioration of the substrate.

Ceradir V panels have a large number of fine independent voids (= magic holes) inside the substrate which prevent accumulation of water inside the substrate. For this reason, the Ceradir V is a siding panel of high durability and dimensional stability.

Ceradir V may be referred as a breathable siding panel.

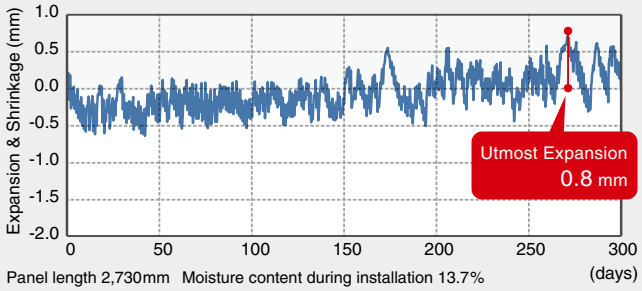
Excellent size stability

Change of size 16 mm panel (N company)



Panel length 2,730mm Moisture content during installation 8%

Ceradir length change

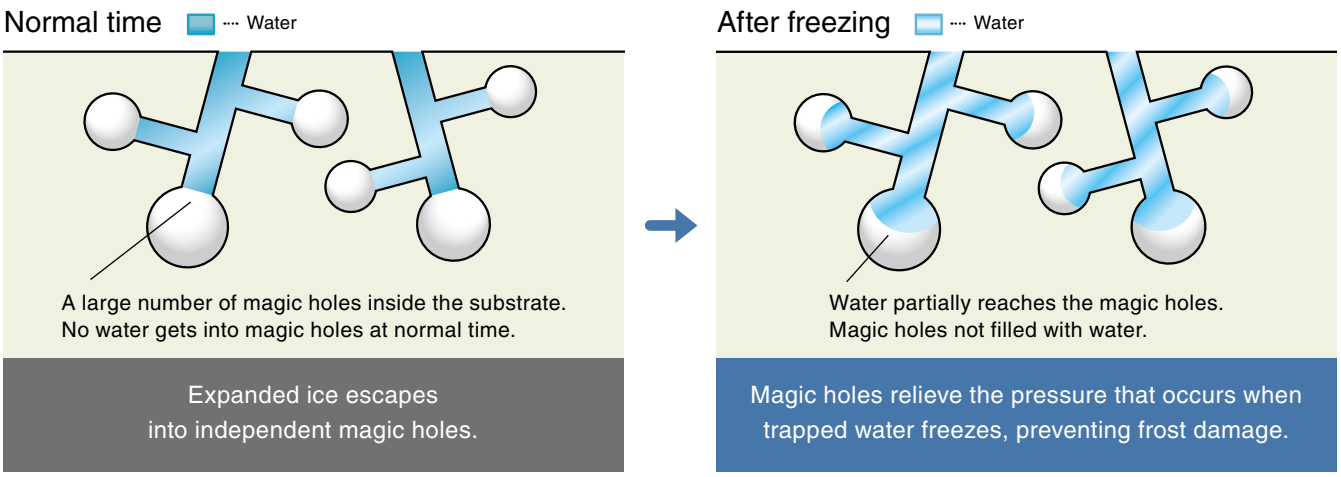


Panel length 2,730mm Moisture content during installation 13.7%

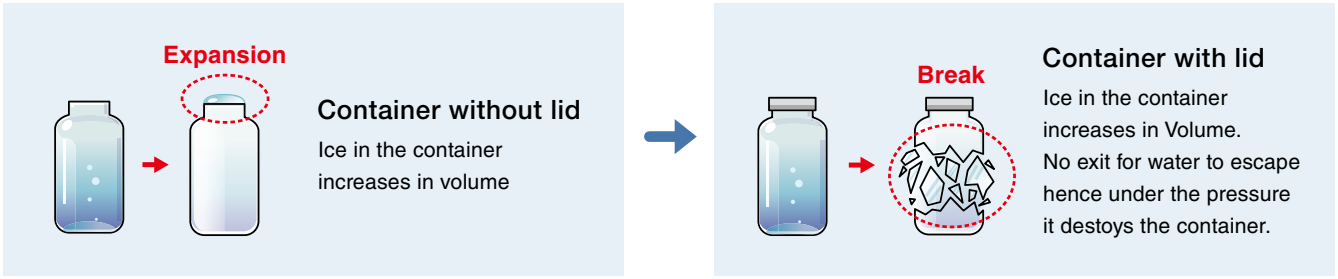
Experiments under harsh conditions have proven its excellent frost resistance.
Having been adopted in many projects even in snowy areas for many years.

Strong frost resistance

The magic holes absorb and relieve the pressure caused by volume expansion during moisture freezing and prevent the substrate from being damaged by frost.

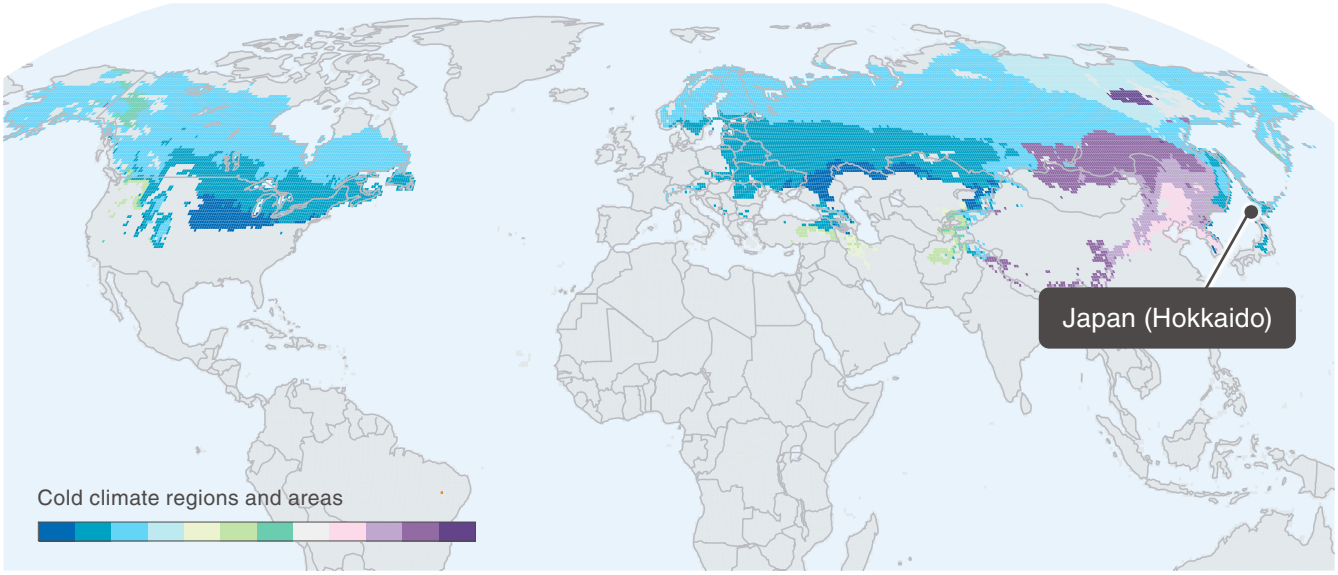


For example, if water is filled into a glass container and frozen …



World cold climate regions and areas where Ceradir panels have been used.

Ceradir is especially suitable for cold regions.



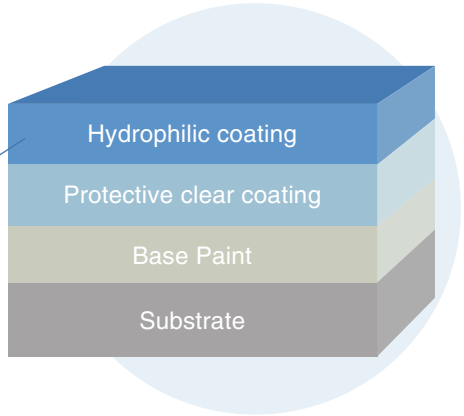
Kottek, M.,J. Grieser, C. Beck, B. Rudolf, and F. Rubel, 2006: World Map of Köppen- Geiger Climate Classification updated. Meteorol. Z., 15, 259-263.

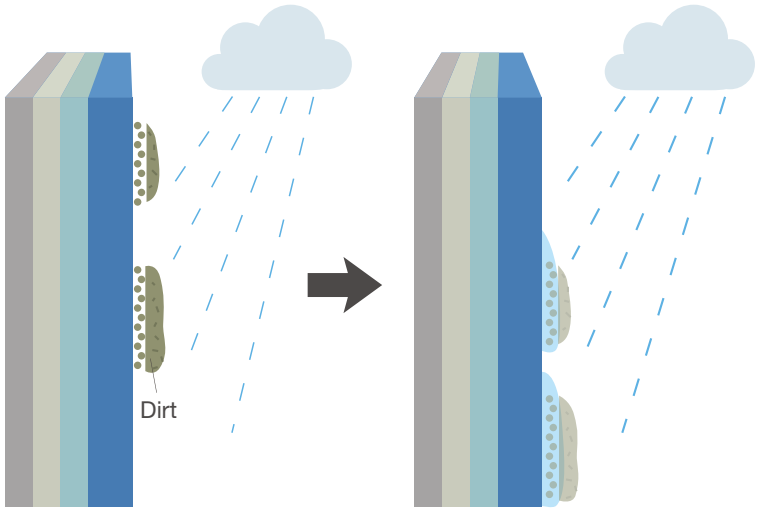
Low-maintenance

Pre-finished coating with self-cleaning technology

The panel structure is formed from the substrate, base paint protective clear coating and hydrophilic coating.

Advanced hydrophilic coating technology.
Dirt is washed away by rainwater.





Rainwater droplets

Dirt is washed off

Advanced hydrophilic coating technology helps wash away dirt accumulated on the panel with rainwater. After panel being cleaned with rainwater from dirt, moisture remains on the hydrophilic surface.
The color coating is strongly protected from moisture.

Washed away by rainwater.
Water gets on the dirt and washes the dirt away

Caulking free

When using caulking

When using T-shaped joiner

A newly developed T-shaped joiner provides caulking-free installation at vertical joints.

T-shaped joiners can reduce maintenance cost caused by caulking deterioration.

Environmentally friendly product

KMEW's contribution to society and the environment

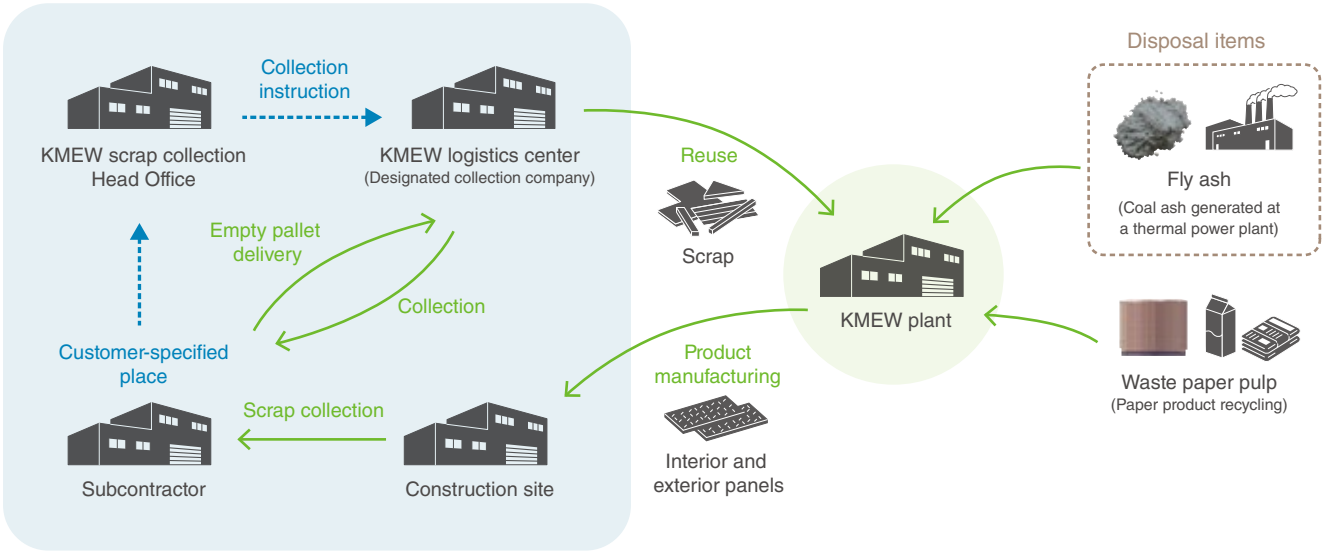
KMEW respects the 17 goals of the SDGs toward the realization of a sustainable society, and we will continue to make efforts with 9 goals related to our business as important issues.

SUSTAINABLE DEVELOPMENT GOALS

KMEW initiatives

Green products

KMEW exterior siding panels are a long lasting, energy and resource efficient building product.
Consisting of approximately 45% recycled material and contain no asbestos.



Material Ingredient Report for LEED

This acquisition of Product Lens certification has contributed to Goal 12 of SDGs.

LEED certified projects using KMEW

Variety of textures and colors

Wide variety of textures and colors (Product line-up)

Plain 2

▸ 30

HCW1111GC

HCW1112GC

HCW1117GC

HCW1119GC

HCW11110GC

HCW11124GC

HCW11126GC

HCW11127GC

HCW11128GC

HCW11131GC

HCW11132GC

HCW11133GC

Plain 1

▸ 32

HCW9151GC

HCW9152GC

HCW9154GC

HCW9155GC

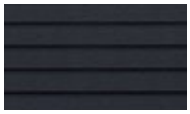
HCW9159GC

HCW91510GC

HCW91511GC

Stripe

▸ 34


HCW1567GC

HCW15610GC

HCW1568GC

HCW15614GC

HCW1569GC

HCW15615GC

WOOD

▸ 36

HCW9141GC

HCW9142GC

HCW9143GC

Brick 1

▸ 38

HCW2321GC

HCW2323GC

HCW2322GC

HCW2324GC

HCW2327GC

Brick 2

▸ 40

HCW1962GC

HCW1964GC

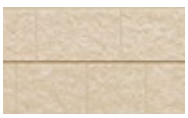
HCW1967GC

Stone 1

▸ 42

HCW2331GC

HCW2333GC


HCW2332GC

Stone 2

▸ 44

HCW1819GC

HCW18110GC

HCW18111GC

Ceradir V 14

Product line-up

Performance List

Item	Unit	Index	Reference
Specific gravity	——	1.0*	Dry at 105°C for 24 hours
Moisture content	%	20 or less	JISA 5422
Water absorption rate	%	50 or less	Water absorption 24 hours 105°C / 24
Bending fracture load	N	785 or more	JISA 5422
Impact resistance	——	Passed	JISA 5422

* In-house test data

Ceradir V Specification & Performance List

Item		Unit	Ceradir V
Flexural modulus		N/ mm²	2324*
Moisture permeability coefficient		ng/m², S, Pa	333.6
Thermal conductivity		W/m, K	0.268
Coefficient of linear expansion		/K	7.2×10^{-6}
Sound insulation	Sound transmission loss (500Hz)	dB	28
	Sound transmission loss (1000Hz)	dB	33
Frame retardance			Non-combustible material QM-0739

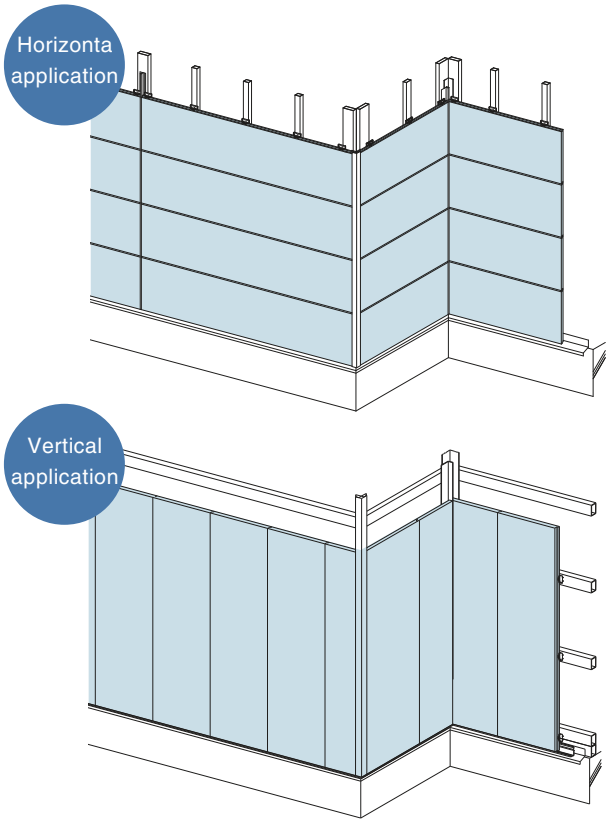
* In-house test data

Ceradir V panel dimensions

Product name	Core	Thickness (mm)	Length (mm)	Width (mm)	Weight (kg/panel)
Ceradir	Solid	14	3000	455	21 (15.4kg/SQM)

Mixture of Fiber-Cement Siding Panel:
Cement, Silica, Organic fiber(Ex.Pulp etc.), Pulp

The vertical and horizontal applications of the panels are available to extend the range of design.



Plain 2

Horizontal / vertical application

HCW11110GC

HCW11124GC

HCW11126GC

HCW11127GC

HCW1111GC

HCW11128GC

HCW1112GC

HCW11131GC

HCW1117GC

HCW11132GC

HCW1119GC

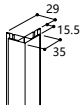
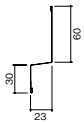
HCW11133GC

Specification

	Panel
Dimension (mm)	14×455 (working width) ×3000
Price	

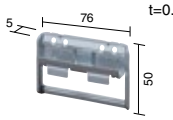
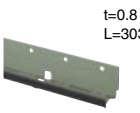
	Panel
Pieces per package	2 pieces
Pieces SQM/pc	1.37 SQM/piece
Panel weight	20 kg/piece

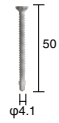
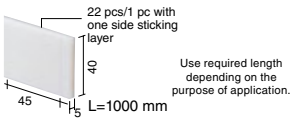
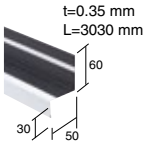
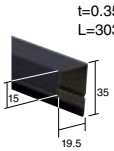
Table of accessories

Accessories / Panels	Metal corner 14 mm (Galvanized steel) L=3030	Through wall flashing	T-shaped joiner	L-shaped joiner
HCW1111GC	B211512	B224512	B36F4	B36KF4
HCW1112GC	B211427	RE224427	B36F4	B36KF4
HCW1117GC	B211462	RE224462	B36F4	B36KF4
HCW1119GC	B211462	RE224462	B36F1	B36KF1
HCW11110GC	B211460	B224460	B36F4	B36KF4
HCW11124GC	B211476	RE224476	B36F3	B36KF3
HCW11126GC	B211468	B224468	B36F4	B36KF4
HCW11127GC	B2113058	B2243058	B36F2	B36KF2
HCW11128GC	B2113057	B2243057	B36F4	B36KF4
HCW11131GC	B211550	B224550	B36F4	B36KF4
HCW11132GC	B211476	B224476	B36F4	B36KF4
HCW11133GC	B211W1	B224W1	B36F1	B36KF1
Price				
Pieces per package			15 pcs/package	15 pcs/package
	5 pcs/package	5 pcs/package		

Touch-up paint Apply only KMEW made accessories

Accessories / Panels	Touch-up paint
	Touch-up paint for base color
HCW1111GC	B93HB428
HCW1112GC	B93HB427
HCW1117GC	B93HB555
HCW1119GC	B93HB462
HCW11110GC	B93HB583
HCW11124GC	B93HB476
HCW11126GC	B93HB3043
HCW11127GC	B93HB3058
HCW11128GC	B93HB3057
HCW11131GC	B93HB2741C
HCW11132GC	B93HB2654A
HCW11133GC	B93HB735
Price	
Pieces per package	One color repair paint 1 piece/60 gr.

Item	Panel clip (5 mm)	Starter bar for horizontal application	Starter bar for vertical application	Corner cap of starter bar for vertical application	Long panel clip
Size					
Product code	B1205	B101052	B12057	B291W1D	B12055
Price					
Pieces per package	70 pcs/package 10 packages/box	4 pcs/package	5 pcs/package	10 pcs/package	6 pcs/package
	Nails and screws are sold seperately.				

Item	Face screw	Spacer 5	Sill flashing	Soffit flashing
Size			 Black B238W1 White B238W2 Brown B238W3 Gray (metallic) B238W4	 Black B254W1 White B254W2 Brown B254W3 Gray (metallic) B254W4
Product code	B88501	RY82S05		
Price				
Pieces per package	200 pcs/package	20 pcs/package	5 pcs/package	5 pcs/package

The color of the samples in the catalog may differ from the real one, so it is advisable to make sure that the color of the selected material matches the desired color with material samples.
Touch up paint cannot be exported to some countries or regions due to chemical substance regulations. Indicated price is the price of the manufacturer.
Fee for installation works is not included into the product price.

Plain 1

Horizontal/vertical application

This texture well matches with the "Stripe" panels.

HCW9151GC

HCW9159GC

HCW9152GC

HCW91510GC

HCW9154GC

HCW91511GC

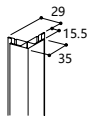
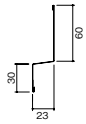
HCW9155GC

Specification

	Panel
Dimension (mm)	14×455 (working width) ×3000
Price	

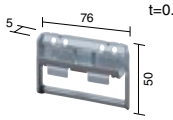
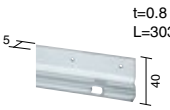
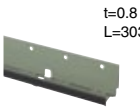
	Panel
Pieces per package	2 pieces
Pieces SQM/pc	1.37 SQM/piece
Panel weight	20 kg/piece

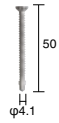
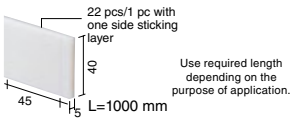
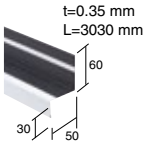
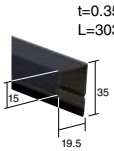
Table of accessories

Accessories / Panels	Metal corner 14 mm (Galvanized steel) L=3030	Through wall flashing	T-shaped joiner	L-shaped joiner
HCW9151GC	B2113058	B2243058	B36F2	B36KF2
HCW9152GC	B211512	B224512	B36F4	B36KF4
HCW9154GC	B211460	B224460	B36F4	B36KF4
HCW9155GC	B211557	RE224557	B36F4	B36KF4
HCW9159GC	B211550	B224550	B36F4	B36KF4
HCW91510GC	B211476	B224476	B36F4	B36KF4
HCW91511GC	B211W1	B224W1	B36F1	B36KF1
Price				
Pieces per package			15 pcs/package	15 pcs/package
	5 pcs/package	5 pcs/package		

Touch-up paint Apply only KMEW made accessories

Accessories / Panels	Touch-up paint
	Touch-up paint for base color
HCW9151GC	B93HB3058
HCW9152GC	B93HB428
HCW9154GC	B93HB583
HCW9155GC	B93HB557
HCW9159GC	B93HB2741C
HCW91510GC	B93HB2654A
HCW91511GC	B93HB735
Price	
Pieces per package	One color repair paint 1 piece/60 gr.

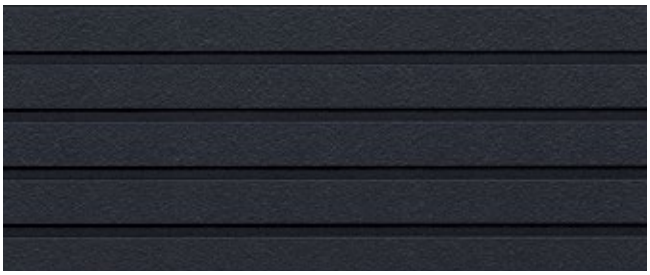
Item	Panel clip (5 mm)	Starter bar for horizontal application	Starter bar for vertical application	Corner cap of starter bar for vertical application	Long panel clip
Size					
Product code	B1205	B101052	B12057	B291W1D	B12055
Price					
Pieces per package	70 pcs/package 10 packages/box	4 pcs/package	5 pcs/package	10 pcs/package	6 pcs/package
	Nails and screws are sold seperately.				

Item	Face screw	Spacer 5	Sill flashing	Soffit flashing
Size			 Black B238W1 White B238W2 Brown B238W3 Gray (metallic) B238W4	 Black B254W1 White B254W2 Brown B254W3 Gray (metallic) B254W4
Product code	B88501	RY82S05		
Price				
Pieces per package	200 pcs/package	20 pcs/package	5 pcs/package	5 pcs/package

The color of the samples in the catalog may differ from the real one, so it is advisable to make sure that the color of the selected material matches the desired color with material samples.
Touch up paint cannot be exported to some countries or regions due to chemical substance regulations. Indicated price is the price of the manufacturer.
Fee for installation works is not included into the product price.

Stripe

Horizontal/vertical application

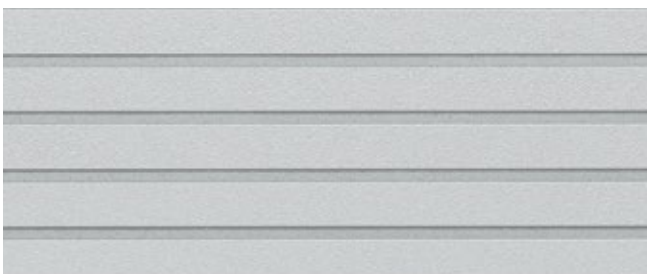


HCW1567GC

HCW15610GC

HCW1568GC

HCW15614GC



HCW1569GC

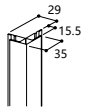
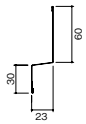
HCW15615GC

Specification

	Panel
Dimension (mm)	14×455 (working width) ×3000
Price	

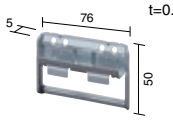
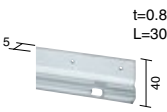
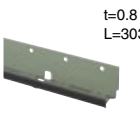
	Panel
Pieces per package	2 pieces
Pieces SQM/pc	1.37 SQM/piece
Panel weight	20 kg/piece

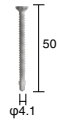
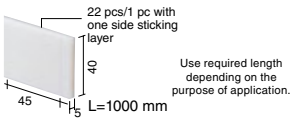
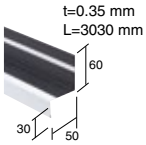
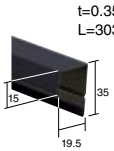
Table of accessories

Accessories / Panels	Metal corner 14 mm (Galvanized steel) L=3030	Through wall flashing	T-shaped joiner	L-shaped joiner
HCW1567GC	B211W1	RE224W1	B36F1	B36KF1
HCW1568GC	B2113058	B2243058	B36F2	B36KF2
HCW1569GC	B211557	RE224557	B36F4	B36KF4
HCW15610GC	B2113057	B2243057	B36F4	B36KF4
HCW15614GC	B211550	B224550	B36F4	B36KF4
HCW15615GC	B211476	B224476	B36F4	B36KF4
Price				
Pieces per package			15 pcs/package	15 pcs/package
	5 pcs/package	5 pcs/package		

Touch-up paint Apply only KMEW made accessories

Accessories / Panels	Touch-up paint
	Touch-up paint for base color
HCW1567GC	B93HB735
HCW1568GC	B93HB3058
HCW1569GC	B93HB557
HCW15610GC	B93HB3057
HCW15614GC	B93HB2741C
HCW15615GC	B93HB2654A
Price	
Pieces per package	One color repair paint 1 piece/60 gr.

Item	Panel clip (5 mm)	Starter bar for horizontal application	Starter bar for vertical application	Corner cap of starter bar for vertical application	Long panel clip
Size					
Product code	B1205	B101052	B12057	B291W1D	B12055
Price					
Pieces per package	70 pcs/package 10 packages/box	4 pcs/package	5 pcs/package	10 pcs/package	6 pcs/package
	Nails and screws are sold seperately.				

Item	Face screw	Spacer 5	Sill flashing	Soffit flashing
Size			 Black B238W1 White B238W2 Brown B238W3 Gray (metallic) B238W4	 Black B254W1 White B254W2 Brown B254W3 Gray (metallic) B254W4
Product code	B88501	RY82S05		
Price				
Pieces per package	200 pcs/package	20 pcs/package	5 pcs/package	5 pcs/package

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WOOD

Horizontal/vertical application

HCW9141GC

HCW9142GC

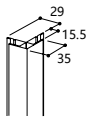
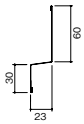
HCW9143GC

Specification

	Panel
Dimension (mm)	14×455 (working width) ×3000
Price	

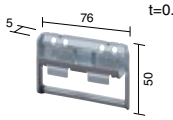
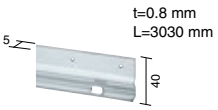
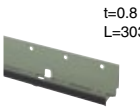
	Panel
Pieces per package	2 pieces
Pieces SQM/pc	1.37 SQM/piece
Panel weight	20 kg/piece

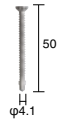
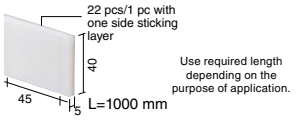
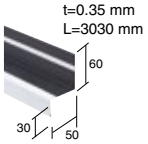
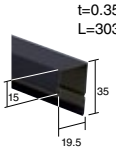
Table of accessories

Accessories / Panels	Metal corner 14 mm (Galvanized steel) L=3030	Through wall flashing	T-shaped joiner	L-shaped joiner
HCW9141GC	B211425	RE225425	B36F4	B36KF4
HCW9142GC	B211459	RE225459	B36F4	B36KF4
HCW9143GC	B211W3	B221W3	B36F3	B36KF3
Price				
Pieces per package			15 pcs/package	15 pcs/package
	5 pcs/package	5 pcs/package		

Touch-up paint Apply only KMEW made accessories

Accessories / Panels	Touch-up paint	
	Touch-up paint for base color	Top color
HCW9141GC	B93HB1791	B93HB1792D
HCW9142GC	B93HB1541B	B93HB2687B
HCW9143GC	B93HB1696E	B93HB1714
Price		
Pieces per package	One color repair paint 1 piece/60 gr.	

Item	Panel clip (5 mm)	Starter bar for horizontal application	Starter bar for vertical application	Corner cap of starter bar for vertical application	Long panel clip
Size					
Product code	B1205	B101052	B12057	B291W1D	B12055
Price					
Pieces per package	70 pcs/package 10 packages/box	4 pcs/package	5 pcs/package	10 pcs/package	6 pcs/package
	Nails and screws are sold seperately.				

Item	Face screw	Spacer 5	Sill flashing	Soffit flashing
Size			 Black B238W1 White B238W2 Brown B238W3 Gray (metallic) B238W4	 Black B254W1 White B254W2 Brown B254W3 Gray (metallic) B254W4
Product code	B88501	RY82S05		
Price				
Pieces per package	200 pcs/package	20 pcs/package	5 pcs/package	5 pcs/package

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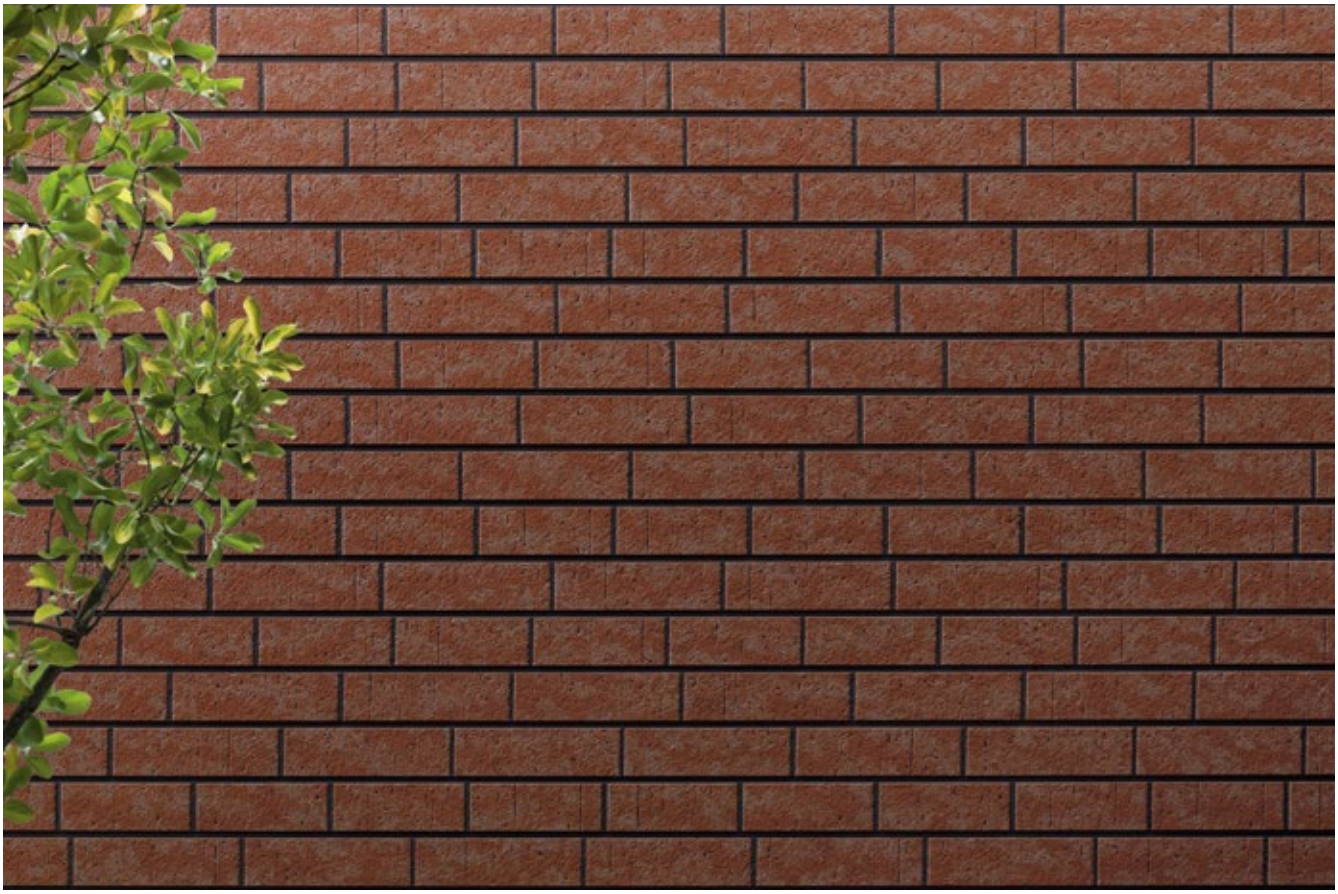
Brick 1

Horizontal application



HCW2321GC

HCW2323GC

HCW2322GC

HCW2324GC

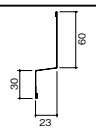
HCW2327GC

Specification

	Panel
Dimension (mm)	14×455 (working width) ×3000
Price	

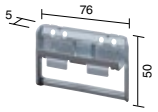
	Panel
Pieces per package	2 pieces
Pieces SQM/pc	1.37 SQM/piece
Panel weight	20 kg/piece

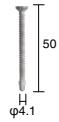
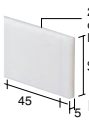
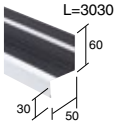
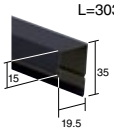
Table of accessories

Accessories / Panels	Metal corner 14 mm (Galvanized steel) L=3030	Through wall flashing	T-shaped joiner	L-shaped joiner
HCW2321GC	B211512	B224512	B36F2	B36KF2
HCW2322GC	B211550	B224550	B36F4	B36KF4
HCW2323GC	B211476	RE224476	B36F4	B36KF4
HCW2324GC	B211476	RE224476	B36F3	B36KF3
HCW2327GC	B211W1	RE224W1	B36F1	B36KF1
Price				
Pieces per package			15 pcs/package	15 pcs/package
	5 pcs/package	5 pcs/package		

Touch-up paint Apply only KMEW made accessories

Accessories / Panels	Touch-up paint		
	Touch-up paint for base color	Touch-up paint for top color	Touch-up paint for top color
HCW2321GC	B93HB678F	B93HB2660D	—
HCW2322GC	B93HB3000B	B93HB2741A	B93HB1794B
HCW2323GC	B93HB3000B	B93HB2654A	B93HB2664A
HCW2324GC	B93HB669J	B93HB2654A	B93HB654B
HCW2327GC	B93HB1794	B93HB669C	—
Price			
Pieces per package	One color repair paint 1 piece/60 gr.		

Item	Panel clip (5 mm)	Starter bar for horizontal application	Long panel clip
Size	 t=0.8 mm	t=0.8 mm L=3030 mm	t=0.8 mm L=2980 mm
Product code	B1205	B101052	B12055
Price			
Pieces per package	70 pcs/package 10 packages/box	4 pcs/package	6 pcs/package
	Nails and screws are sold seperately.		

Item	Face screw	Spacer 5	Sill flashing	Soffit flashing
Size			 t=0.35 mm L=3030 mm Black B238W1 White B238W2 Brown B238W3 Gray (metallic) B238W4	 t=0.35 mm L=3030 mm Black B254W1 White B254W2 Brown B254W3 Gray (metallic) B254W4
Product code	B88501	RY82S05		
Price				
Pieces per package	200 pcs/package	20 pcs/package	5 pcs/package	5 pcs/package

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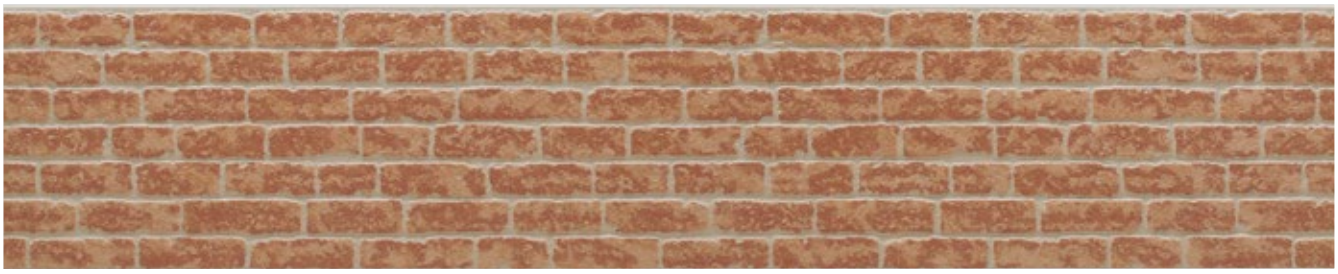
Brick 2

Horizontal application

HCW1962GC



HCW1964GC

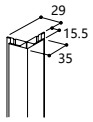
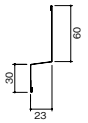
HCW1967GC

Specification

	Panel
Dimension (mm)	14×455 (working width) ×3000
Price	

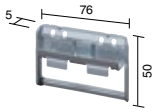
	Panel
Pieces per package	2 pieces
Pieces SQM/pc	1.37 SQM/piece
Panel weight	19 kg/piece

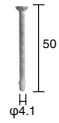
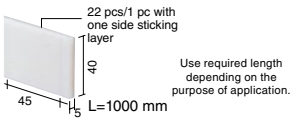
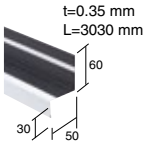
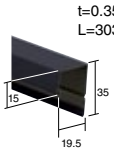
Table of accessories

Accessories / Panels	Metal corner 14 mm (Galvanized steel) L=3030	Through wall flashing	T-shaped joiner	L-shaped joiner
HCW1962GC	B211439	B224439	B36F4	B36KF4
HCW1964GC	B211441	B224441	B36F4	B36KF4
HCW1967GC	B211441	B224441	B36F4	B36KF4
Price				
Pieces per package			15 pcs/package	15 pcs/package
	5 pcs/package	5 pcs/package		

Touch-up paint Apply only KMEW made accessories

Accessories / Panels	Touch-up paint			
	Touch-up paint for base color	Top color	Top color	
HCW1962GC	B93HB730	B93HB2650	B93HB2685(Pale)	B93HB2655A(Dark)
HCW1964GC	B93HB2652	B93HB2655	B93HB2654(Dark)	B93HB2653(Pale)
HCW1967GC	B93HB3000	B93HB1533	B93HB440(Pale)	B93HB442A(Dark)
Price				
Pieces per package	One color repair paint 1 piece/60 gr.			

Item	Panel clip (5 mm)	Starter bar for horizontal application	Long panel clip
Size	 t=0.8 mm	t=0.8 mm L=3030 mm	t=0.8 mm L=2980 mm
Product code	B1205	B101052	B12055
Price			
Pieces per package	70 pcs/package 10 packages/box	4 pcs/package	6 pcs/package
	Nails and screws are sold seperately.		

Item	Face screw	Spacer 5	Sill flashing	Soffit flashing
Size			 t=0.35 mm L=3030 mm Black B238W1 White B238W2 Brown B238W3 Gray (metallic) B238W4	 t=0.35 mm L=3030 mm Black B254W1 White B254W2 Brown B254W3 Gray (metallic) B254W4
Product code	B88501	RY82S05		
Price				
Pieces per package	200 pcs/package	20 pcs/package	5 pcs/package	5 pcs/package

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Stone 1

Horizontal application

HCW2331GC

HCW2333GC

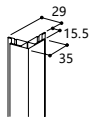
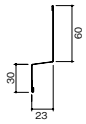
HCW2332GC

Specification

	Panel
Dimension (mm)	14×455 (working width) ×3000
Price	

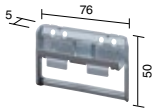
	Panel
Pieces per package	2 pieces
Pieces SQM/pc	1.37 SQM/piece
Panel weight	20 kg/piece

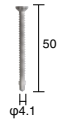
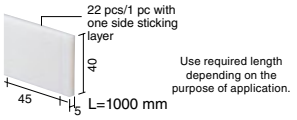
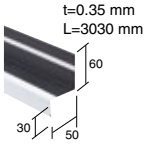
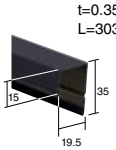
Table of accessories

Accessories / Panels	Metal corner 14 mm (Galvanized steel) L=3030	Through wall flashing	T-shaped joiner	L-shaped joiner
HCW2331GC	B211512	B224512	B36F4	B36KF4
HCW2332GC	B211427	RE224427	B36F4	B36KF4
HCW2333GC	B211557	RE224557	B36F4	B36KF4
Price				
Pieces per package			15 pcs/package	15 pcs/package
	5 pcs/package	5 pcs/package		

Touch-up paint Apply only KMEW made accessories

Accessories / Panels	Touch-up paint	
	Touch-up paint for base color	Touch-up paint for top color
HCW2331GC	B93HB678F	B93HB2660D
HCW2332GC	B93HB1476B	B93HB2725A
HCW2333GC	B93HB2498A	B93HB1481A
Price		
Pieces per package	One color repair paint 1 piece/60 gr.	

Item	Panel clip (5 mm)	Starter bar for horizontal application	Long panel clip
Size	 t=0.8 mm	t=0.8 mm L=3030 mm	t=0.8 mm L=2980 mm
Product code	B1205	B101052	B12055
Price			
Pieces per package	70 pcs/package 10 packages/box	4 pcs/package	6 pcs/package
	Nails and screws are sold seperately.		

Item	Face screw	Spacer 5	Sill flashing	Soffit flashing
Size			 t=0.35 mm L=3030 mm Black B238W1 White B238W2 Brown B238W3 Gray (metallic) B238W4	 t=0.35 mm L=3030 mm Black B254W1 White B254W2 Brown B254W3 Gray (metallic) B254W4
Product code	B88501	RY82S05		
Price				
Pieces per package	200 pcs/package	20 pcs/package	5 pcs/package	5 pcs/package

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Stone 2

Horizontal application

HCW1819GC

HCW18110GC

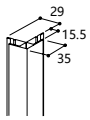
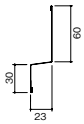
HCW18111GC

Specification

	Panel
Dimension (mm)	14×455 (working width) ×3000
Price	

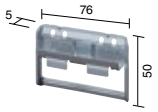
	Panel
Pieces per package	2 pieces
Pieces SQM/pc	1.37 SQM/piece
Panel weight	19 kg/piece

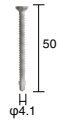
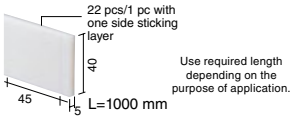
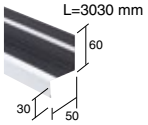
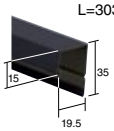
Table of accessories

Accessories / Panels	Metal corner 14 mm (Galvanized steel) L=3030	Through wall flashing	T-shaped joiner	L-shaped joiner
HCW1819GC	B211549	RE224549	B36F3	B36KF3
HCW18110GC	B211512	B224512	B36F2	B36KF2
HCW18111GC	B211459	B224459	B36F4	B36KF4
Price				
Pieces per package			15 pcs/package	15 pcs/package
	5 pcs/package	5 pcs/package		

Touch-up paint Apply only KMEW made accessories

Accessories / Panels	Touch-up paint	
	Touch-up paint for base color	Top color
HCW1819GC	B93HB669B	B93HB689
HCW18110GC	B93HB2658	B93HB595B
HCW18111GC	B93HB1693	B93HB740A
Price		
Pieces per package	One color repair paint 1 piece/60 gr.	

Item	Panel clip (5 mm)	Starter bar for horizontal application	Long panel clip
Size	 t=0.8 mm	t=0.8 mm L=3030 mm	t=0.8 mm L=2980 mm
Product code	B1205	B101052	B12055
Price			
Pieces per package	70 pcs/package 10 packages/box	4 pcs/package	6 pcs/package
	Nails and screws are sold seperately.		

Item	Face screw	Spacer 5	Sill flashing	Soffit flashing
Size			 t=0.35 mm L=3030 mm Black B238W1 White B238W2 Brown B238W3 Gray (metallic) B238W4	 t=0.35 mm L=3030 mm Black B254W1 White B254W2 Brown B254W3 Gray (metallic) B254W4
Product code	B88501	RY82S05		
Price				
Pieces per package	200 pcs/package	20 pcs/package	5 pcs/package	5 pcs/package

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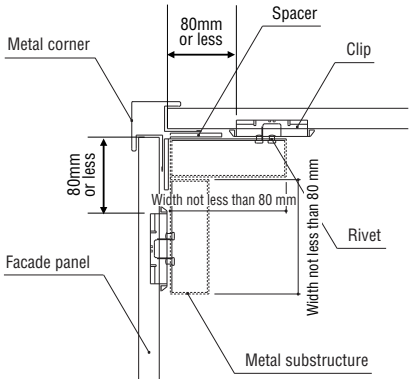
Metal Corner

Item	Metal Corner
Photo	
Product code	B211**
Price	
Pieces per package	Corner Dimensions 29 × 15.5 × 35, t=0.3mm 5 pcs/package

Detail (Clip for horizontal application (5mm))



SKU & COLOR

Product code	Color
B211423	Wheat Orange
B211425	Mocha Brown
B211427	Cream Beige
B211439	Tropical Red Light
B211441	Moisture Brown Light
B211459	Reddish Beige
B211460	Harvest Yellow
B211462	Atlantic Blue
B211468	Sage Green
B211476	Chocolat Brown
B211512	White
B211549	New Gray GB
B211550	Chick Gray
B211557	Silver Gray
B2113057	Forest Yellow
B2113058	Max White
B211W1	Black
B211W3	Brown

Color variations

423 (Wheat Orange)

425 (Mocha Brown)

427 (Cream Beige)

439 (Tropical Red Light)

441 (Moisture Brown Light)

459 (Reddish Beige)

460 (Harvest Yellow)

462 (Atlantic Blue)

468 (Sage Greeen)

476 (Chocolat Brown)

512 (White)

549 (New Gray GB)

550 (Chick Gray)

557 (Silver Gray)

3057 (Forest Yellow)

3058 (Max White)

W1 (Black)

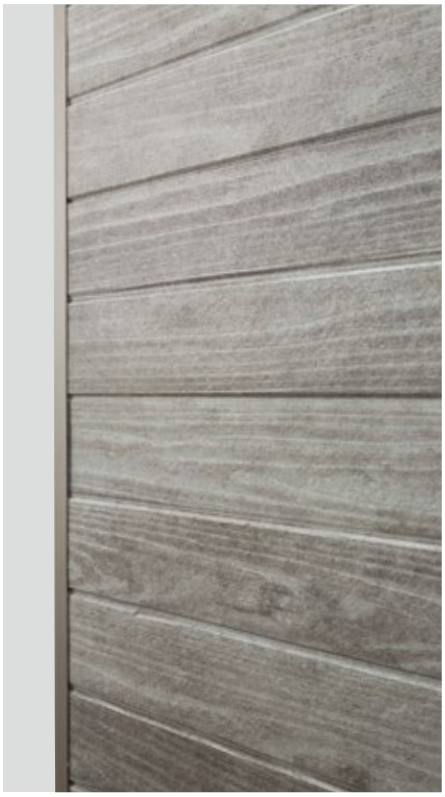
W3 (Brown)

Slim metal corner / Sharp appearance

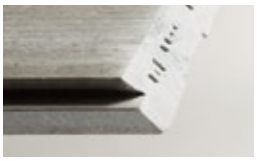
Material: Coated galvanized steel

Line-ups of metal corners that make the vertical line of the corners sharp and design the wall

- Sharp vertical line of the corner makes wall beautiful
- Caulking free application shortens installation period

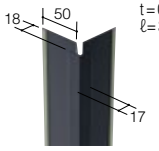
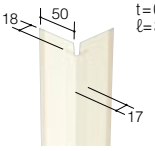
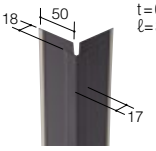
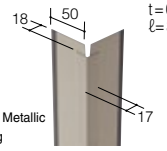


Installation order (1)
Install slim metal corner

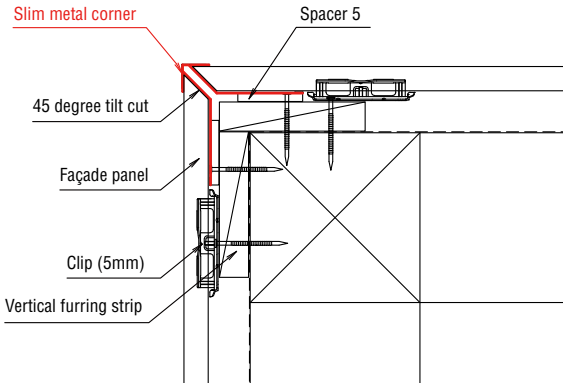


Installation order (2)
Cut the edge of the panel at angle of 45 degrees.
(Use a circular saw that can cut a panel at angle of 45 degrees)

Installation order (3)
Install the panel

Item	Slim metal corner			
Colors	Black	White	Brown	Gray
Size				
Product code	**B215W1**	**B215W2**	**B215W3**	**B215W4**
Price				
Pieces per package	4 pcs/package			

Detail (Clip for horizontal application (5mm))



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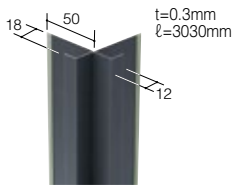
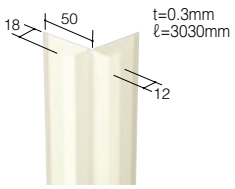
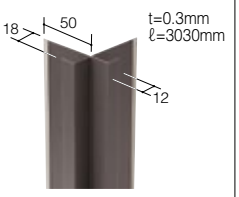
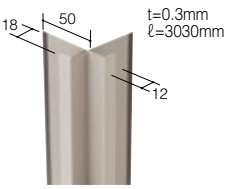
W-shaped metal corner

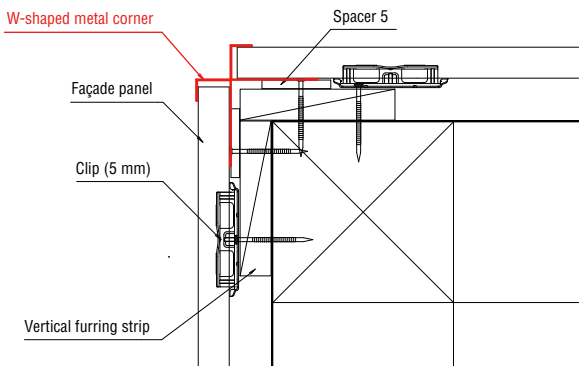
Material: Coated galvanized steel

Line-ups of metal corners that make building corners beautiful.

- Sharp vertical corner lines with shadow finish
- Caulking free application shortens installation time

Item	W-shaped metal corner			
Colors	Black	White	Brown	Gray
Size				
Product code	**B2172W1**	**B2172W2**	**B2172W3**	**B2172W4**
Price				
Pieces per package	4 pcs/package			

Detail (Clip for horizontal application (5mm))



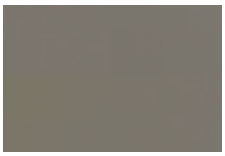
Panel Joiner

Item	T-shaped joiner (B36F*)	L-shaped joiner (B36KF*)
Colors	Black, White, Brown, Metal Gray	
Material	Aluminium	
price		
Pieces per package		
	15 pcs	

B36F1/B36KF1
Black

B36F2/B36KF2
White

B36F3/B36KF3
Brown



B36F4/B36KF4
Metal Gray

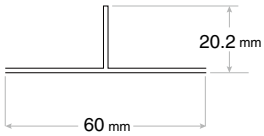
Aesthetic appearance

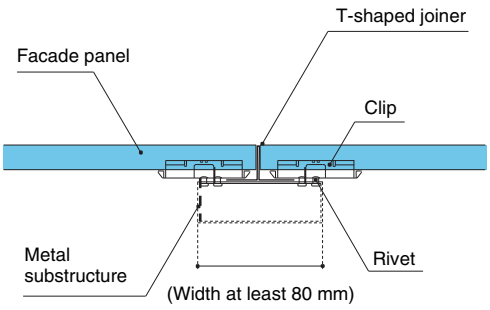
The joiners make joints appearance seamless

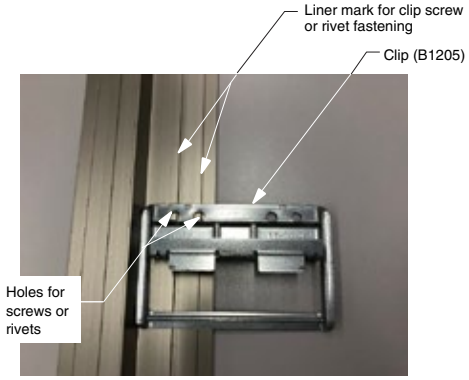
Installation details

Shape	Installation details	
T-shaped joiner	Joints	T-shaped joiner

L= 3000 mm
t= 1.2 mm

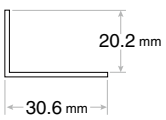


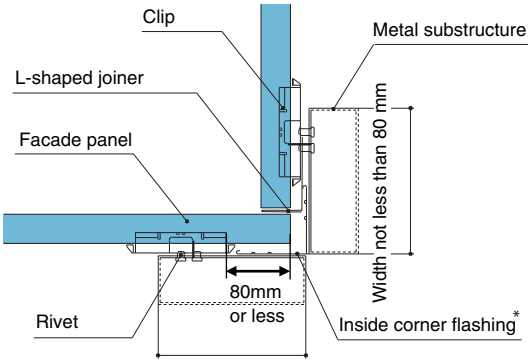




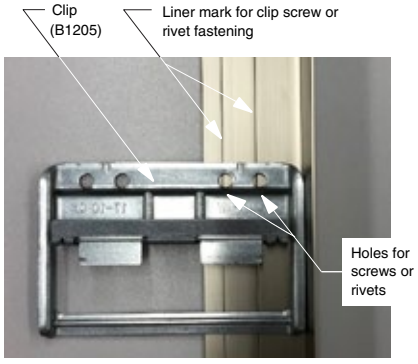
L-shaped joiner	Inside Corner	L-shaped joiner

L= 3000 mm
t= 1.2 mm





(Width not less than 80 mm)



* Installation of an inside corner flashing is not mandatory, but highly recommended
* Fasten the clips within 80 mm of the panel edge

The color of the samples in the catalog may differ from the real one, so it is advisable to make sure that the color of the selected material matches the desired color with material samples.
Touch up paint cannot be exported to some countries or regions due to chemical substance regulations. Indicated price is the price of the manufacturer.
Fee for installation works is not included into the product price.

Maintenance instructions

Coating of the facade panel and caulking of the joints not permanent.

The durability of fiber cement panel greatly affected by natural pehnomena weather conditions such as sunlight (ultraviolet rays), wind and rain, snow, and changes in temperature, as well as typhoons and earthquakes and the degree of the maintenance of fiber cement panel.
If the proper maintenance (inspection & maintenance) conducted often it will delay the aging not only of facade panel but also of the building itself, leading to keep up the value of the property for long time.

1. Daily maintenance

Conduct inspection of the exterior of the building by appropriate method once a year in a safely manner.

Conduct inspection of the exterior wall visually once a year. (Working in high places is strictly prohibited.)
In particular, please check after an earthquake or typhoon.
If you find any changes on the exterior that makes you worry please consult with the housing company or the contractor for early maintenance. (Maintenance costs will be borne by the owner.)

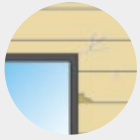
Inspection of the painted surface of siding panel

- Inspect the painted surface for discoloration (chalking), peeling and cracking, and for stuck stains, mold and algae.
  * When whitening, discoloration, peeling, etc. become noticeable, it is time for repainting.
  * The degree of discoloration and the conspicuousness of stains vary depending on the type of siding, color tone (paint), location conditions and shape of the building.

Inspection of Siding panel substrate

- Check the siding panel for cracks, warpage, swells, chips, and other defects
  * Check particularly around the openings, cracks around nails (screws), siding panels misalignment after an earthquake.

Discoloration (chalking) of the siding panel, cracks in the coating, stains, mold, algae, etc that can not be removed.



Siding panels cracks, chips, warpage, swells, etc.

Inspection of other parts

- Inspect the steel accessories for rusting and deterioration of the coating layer.
- Make sure if nails (screws) are not floating.

2. Daily care

Please consult with the home builder or building contractor for proper maintenance and care.

- ITo remove dirt such as bird droppings, dust, algae, and mold, wash lightly with a cloth or soft sponge.
  In that case, make sure not to damage the painted surface.
  If dirt is not washed off by applying water, use a soft cloth to wash it with a diluted neutral detergent, and then rinse it off with tap water.

Caution

· Avoid using the followings as it may damage the coating of the panel.
  ① Thinner solvent
  ② Hard brush like metal scrubbing brush
  ③ Cleaning with high pressure water and steam cleaning
· When washing with water, make sure to sprinkle water downward on the wall.
  Sprinkling water upwards may cause water penetration through the joints.

- Algae and mold

Due to different nature of algae and mold the conditions of occurrence may differ as well, however, if the environmental conditions are met for them both can occur not only on the siding panels of the buildings but also elsewhere.
It is possible to remove algae and mold, however, the effect does not last long, so there is a possibility of recurrence.
In order to keep it removed continuously, it is necessary to take good care of it.
However, it may not be possible to remove it if it is penetrated into a small gap/space.

In general, environment and the parts in which algae and mold are likely to grow

① Location conditions: ponds, rivers, irrigation canals, fields, forests, etc. in the vicinity.
② The north part of the building with poor ventilation and high humidity
③ Upper side of window where water and dirt easy to be be collected
④ Due to short protrusion of eaves and openings rainwater can easily splash on siding panel

3. Maintenance of siding panel

For repainting and repair work, basically, please consult with the the home builder or building contractor who built the building and ask a professional contractor to perform proper maintenance.

*Please be noted the maintenance costs will be borne by the owner.

Disclaimer

Please note that KMEW is not responsible for for the following cases.

- When damage such as cracks due to natural disasters, surrounding environment, pollution, etc., or stains or discoloration of moss, algae or mold due to normal aging occur.
- When a problem occurs due to insufficient maintenance of the resident or intentional or negligence of the resident or a third party.
- When a problem occurs because the resident has made an extension/renovation or repair after moving in and attached various equipment and accessories.
- When a problem such as deformation or abnormality due to the structure of the building or decay of the wooden frame due to dew condensation occurs.
- When an accident caused by installation, rust on nail occurs, etc.

Instructions on repainting or repairing the fasade panels (for the professional contractors)

Repainting siding panel

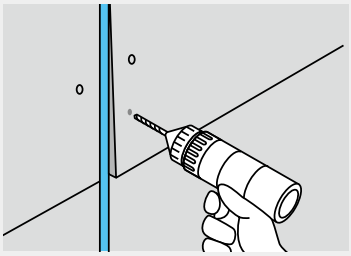
- Please repaint factory-pre-finished coating siding panels based on daily inspection results.
  When repainting siding panels on site, make sure to check the type of paint with your home builder or paint manufacturer.

Caution

*For a multi-colored siding panel, when its panel surface gets deteriorated, some paint expressions cannot be reproduced.

Repair of siding panel substrate

- For a crack, make a V-cut on the panel and fill it with putty and apply touch-up paint.
  If putty repair is not sufficient then replace the siding panel.
  Use equivalent or alternative siding panel for replacing.
- If there are warps or burrs, make sure if studs are available around them, pre-drill pilot holes, and then fasten with stainless steel screws.
- When the siding panel is damaged by an impact from outside, repair it with putty or replace the panel.



Repair of other parts

- Apply paint when a steel accessory such as flashing rusts or the coating peels off.
- If you can see the floating of the siding fastening nail (screw), fasten the floating nail (screw) tightly.
  In addition, make sure if a stud is available around it, then pre-drill a pilot hole and fasten one more place with a stainless screw..

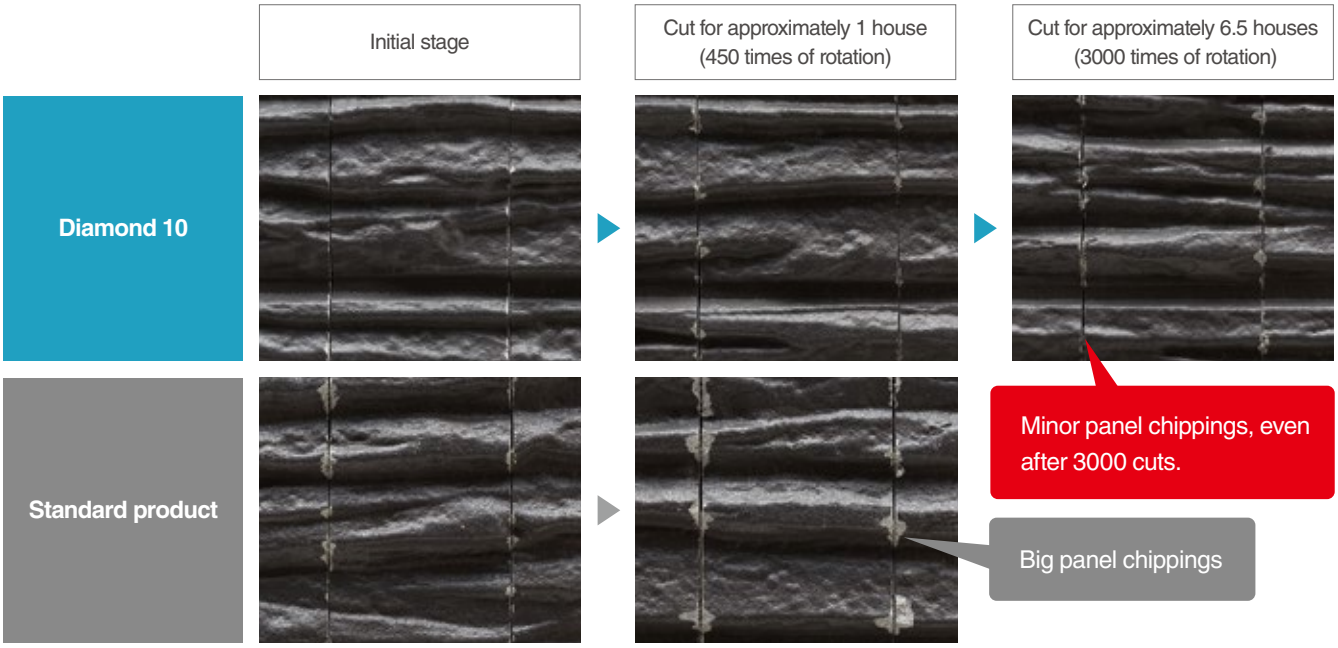
Diamond 10 tipped circular saw blade

Reduces the panel chipping when cutting!

- Even siding panel with deep textures can be cut cleanly
- Long-lasting beauty equivalent to 6.5 houses (3000 times of rotation).
  Even after cutting, panel chipping is minimal.
  The all-diamond tipped teeth of circular saw blade keeps the cutting condition pretty for a long time..

Occurrence of panel chippings

*An in-house test result. (Siding panel: Neorock / Photocatalythic coating 16 Fiott)



Occurrence of panel chippings varies due to usage conditions and method.
There are individual differences in the way the effect is felt. Please be aware of the abovementioned before use.

Product specification

Product name	Diamond 10 (φ100mm)	Diamond 10 (φ125mm)
Item	Blade diameter 100mm Bore diameter 20mm Blade thickness 1.5mm Blade teeth 10 pcs	Blade diameter125mm Bore diameter 20mm Blade thickness 1.5mm Blade teeth 10 pcs
Item No	**B491**	**B492**
Recommended retail price		
Pieces per package	1 pc	
Material	Diamond tip	
The number of rotations that can be used	15,000 or less rotation per minute	
Use for	For fiber cement siding panel only	

"Precautions for use"

Before use, be sure to read the instruction manual and package of the product and the power tool to be installed, and use it correctly and safely.

- Use appropriate protective equipment such as protective goggles and a dust mask, and wear clothes that fit your body properly."
- Please use a circular saw that has a safety and dust collection functions.
- Please refrain from using it for anything other than fiber cement siding.
- Diamond tipped blades are vulnerable to impact please handle with care.
- Make sure that the tip saw to be used is not damaged or missing, or the main body is not cracked, distorted, or abnormally worn before the use.

Recommended tools for

Panel cutting & Installation

Circular saw

Makita KS511DZ or equivalent

Impact driver

Makita TD171DRGX(6.0ah) or equivalent

Dust collector

Makita VC750DRG or equivalent

Makita

The tools listed in this catalog are products sold in Japan.
Make sure to purchase the products that sold in your respective countries.
Some products may not be available depending on the region.
For more details, please contact the following URL.

https://www.makita.biz/network/index.html

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