



**NEXT
GENERATION
CLADDING
SOLUTIONS**

FROM
JAPAN



FILLTECT PHOTOCATALYTIC CERAMIC COATING

TRIPLE COATING FACADE PANEL SYSTEM

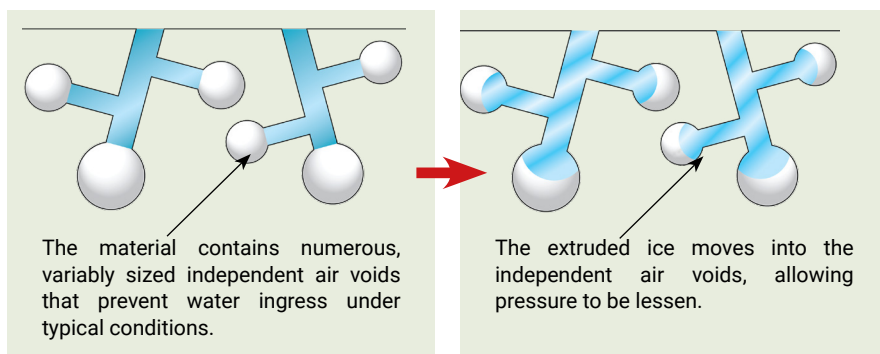
KMEW was created as a subsidiary joint venture between two Japanese industry titans, **Panasonic and Kubota Corporations**. The KMEW Rainscreen Fiber Cement System has a proven track record of performance nearing 40 years in Japan. Extensive research and technological advancement led to the development of the company's proprietary Photocatalytic Ceramic Coating which provides superior color retention and self-cleaning performance which eliminate costly maintenance. The optimal composition of fiber cement, unique color solutions, and a variety of surface textures provide architects with the opportunity to implement advanced solutions. Only environmentally friendly materials without asbestos are used in the production of facade panels.

The panel meets the strictest fire safety requirements, with a fire classification of A2, s1-d0.

The next generation **FILLTECT™** fiber cement panels are ideally suited for ventilated facades. A standout feature of these materials is their complete resistance to adverse environmental effects. A critical factor that deteriorates panel structure is rapid shifts from heat to cold, during which moisture penetrates the panel and, upon freezing, damages its structure. Repeated freeze-thaw cycles cause cracks, reduce structural strength, and eventually render the panel unsuitable for use.

Innovative solutions and years of expertise have enabled the manufacturer to develop an optimal fiber cement mix used in the production of these facade panels. This formulation gives the panels resistance to moisture and freeze-thaw cycles, ensuring structural stability and durability.

FILLTECT™ use an extrusion process that creates numerous micro-scale, independent voids throughout the material. These micro-voids act to absorb and lessen the pressure caused by the expansion of moisture upon freezing, enhancing durability against frost damage.



Water occupies part of a void.

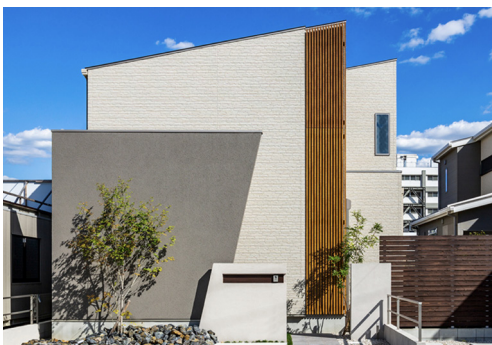
The independent voids lessen the freeze-thaw pressure.

By choosing **KMEW FILLTECT™**, you're selecting a product that not only enhances the beauty of your building but also safeguards it for generations to come.

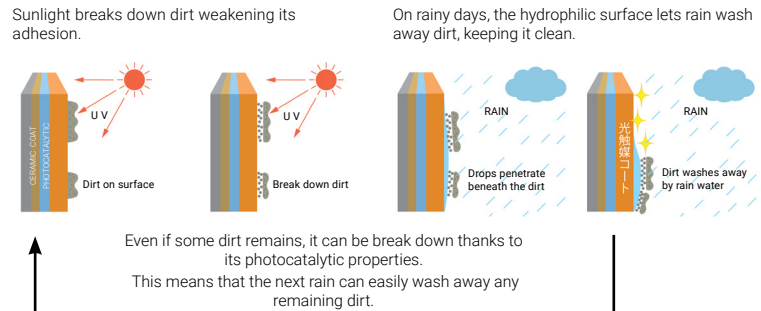


FILLTECT PHOTOCATALYTIC CERAMIC COATING

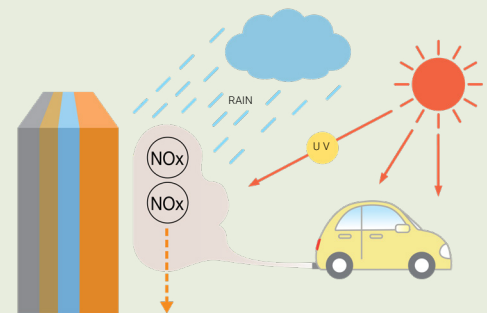
TRIPLE COATING FACADE PANEL SYSTEM



KMEW's innovative **PHOTOCATALYTIC COATING** prevents stains from adhering to exterior materials, maintaining their beauty for a long time. Energized by light, the coated surface gains a 'self-cleaning' functionality. Dirt is decomposed by sunlight (UV rays), weakening its adhesion to the surface, while the super-hydrophilic property helps rainwater wash it away.



The surface of the **FILLTECT™** panel is extremely eco-friendly and beneficial to our environment, which is heavily polluted by car exhaust gases and industrial emissions such as nitrogen (NOx) and sulfur (SOx) oxides. Through the **PHOTOCATALYTIC** process, these compounds are neutralized from the atmosphere.

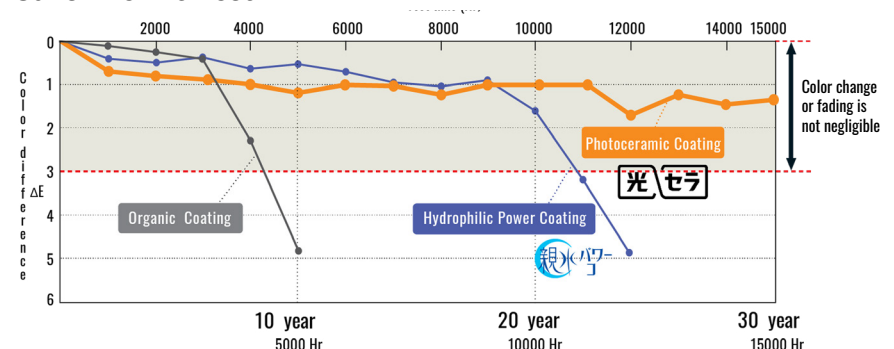


Plants purify pollutants such as NOx (nitrogen oxides) contained in car exhaust. The poplar tree is one of the plants that absorbs the most NOx. The air purifying properties of the **PHOTOCATALYTIC** coating for a 200 m² building is equal to planting 14 poplar trees.



PHOTOCATALYTIC coating has excellent UV blocking properties to protect the color layer from ultraviolet rays and minimize fading of the outer wall. Maintenance costs are reduced by virtually eliminating the need for repainting.

Sunshine Arc Test



FILLTECT PHOTOCATALYTIC CERAMIC COATING

Size: 3030 X 455 X 16 mm



FIERTE FT

FH7272A	FH7274A	FH7275A	FH7276A	FH7277A
FH7278A	FH7279A			

BARN WOOD FT

HFH7521A	HFH7522A	HFH7523A	HFH7524A	HFH7526A

BRULEE WOOD FT

FH7261A	FH7263A	FH7265A		

SHOU SUGI BAN

HFH5481U	HFH5491U			

NEW INPLACE FT

FH7251A	FH7252A	FH7253A		

TIERS TILE FT

FH7141A	FH7142A	FH7143A	FH7144A	FH7146A

BOARD FORMED CONCRETE FT

HFH7431A	HFH7432A	HFH7433A		

FILLTECT PHOTOCATALYTIC CERAMIC COATING

Size: 3030 X 455 X 16 mm



RIDGE VAWE FT



FH4911U



FH4912U

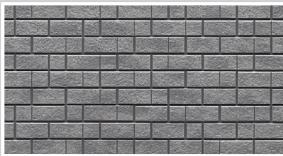


FH4913U

ACCURATE FT



FH7131U



FH7132U

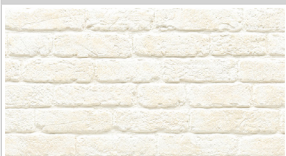


FH7133U



FH7134U

NATURAL BRICK FT



FH4925U



FH4926U

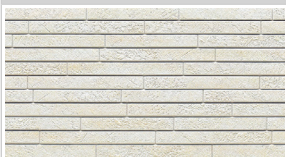


FH4927U



FH4928U

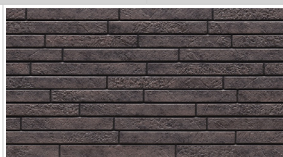
DRAWER TILE FT



FH4935U



FH4936U



FH4937U



FH4938U

OFEN BRICK FT



FH7155A



FH7156A



FH7157A



FH7158A

SEPHIRO WOOD FT



FH4875U



FH4878U



FH4879U



FH48710U



FH48712U

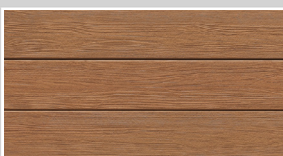


FH48713U

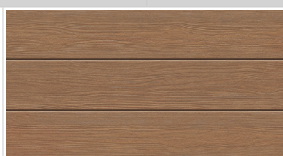
URBAN CEDAR FT



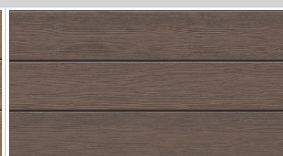
HFH7451U



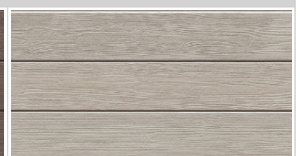
HFH7452U



HFH7453U



HFH7454U



HFH7455U

FILLTECT PHOTOCATALYTIC CERAMIC COATING

Size: 3030 X 455 X 16 mm



FH4885U	FH4886U	FH4887U	FH4888U	
MODERN SLIT FT				
HFH9181U	HFH9183U	HFH9184U	HFH9185U	HFH9188U
HFH91814U				
STRIPE 10 FT				
HFH7451U	HFH7452U	HFH7453U	HFH7454U	
STRAHL FT				
FH7171U	FH7172U	FH7173U	FH7175U	
FIOTTO FT				
FH4895U	FH4896U	FH4898U	FH4899U	
SCRE FLAT FT				
FH7281A	FH7282A	FH7283A		
CAST STRIPE FT				
HFH7461U	HFH7462U	HFH7463U	HFH7464U	

FILLTECT PHOTOCATALYTIC CERAMIC COATING

Size: 3030 X 455 X 16 mm



CASHMERE SMOOTH FT

HFH9161A	HFH9162A	HFH9163A	HFH9164A	HFH9165A
HFH9166A	HFH9167A	HFH9168A	HFH9169A	HFH91610A
HFH91611A	HFH91612A	HFH91613A	HFH91614A	HFH91615A

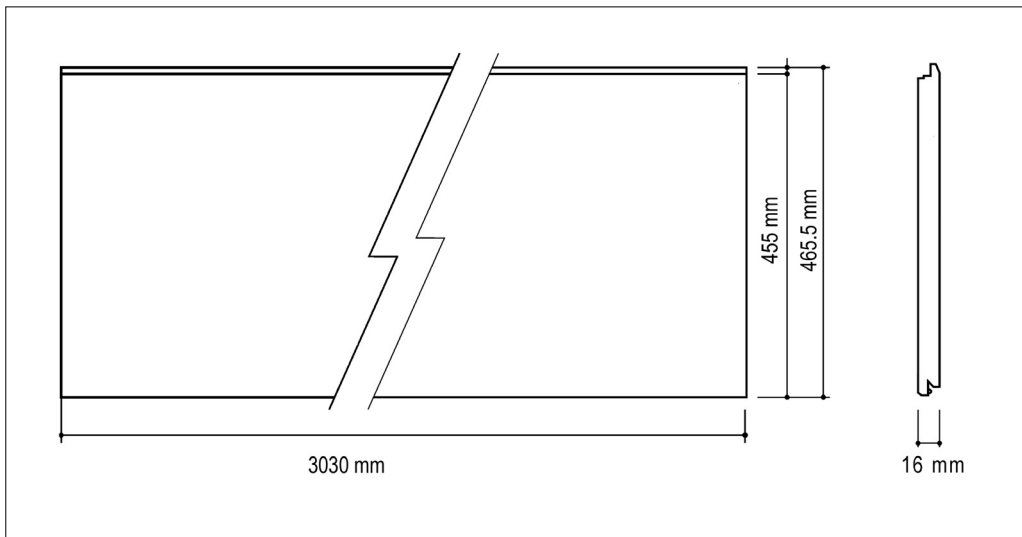
ZEN GARDEN FT

HFH9121U	HFH9122U	HFH9123U	HFH9124U	HFH9125U
HFH9126U	HFH9127U	HFH9128U	HFH9129U	HFH91210U
HFH91211U	HFH91212U	HFH91213U	HFH91214U	HFH91215U

8 REVEAL FT

HFH9131U	HFH9132U	HFH9133U	HFH9134U	HFH9135U
HFH9136U	HFH9137U	HFH9138U	HFH9139U	HFH91310U
HFH91311U	HFH91312U	HFH91313U	HFH91314U	HFH91315U

PANEL DIMMENSIONS

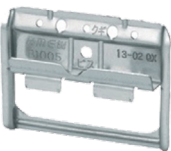
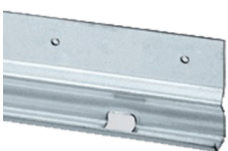


SPECIFICATION

Description	FILLTECT
Dimmensions	3030 mm x 455 mm x 16 mm
Panel Type	Fiber Cement Panel NT
Coverage	1.38 m ²
Weight	~18.0 kg/m ²
Panel Weight	~25.0 kg
Volume	1100 kg/m ³
Thermal Conductivity Coef.	0.21 W/mK
Mechanical Resistance	10.6 MPa
Freeze-Thaw Test	Pass, EN12476
Heat-Rain Test	Pass EN12467
Watertightness of Joints	Pass, EN12467
Soak-Dry Test	Pass, EN12467
Dimmension Tolerances	Level I
Fire Clasification	A2, s1-d0
Installation Method	Horizontal / Vertical

FILLTECT

ACCESSORIES

Panel Clip	Starter Bar H	Starter Bar V	T-Joiner profile	W Angle Profile
				
B10152	B10152	B130571	B3616F*	B2151W*



