

Hybrid  
Color Steel Panel

**STEELLOOKS**

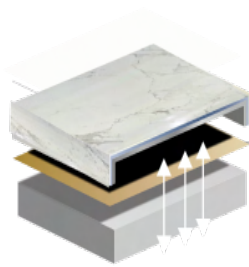




# STEELLOOKS Functionality

The new concept **STEELLOOKS** Color Steel is a new composite material that uses **gypsum board** and steel bending composite materials and is resistant to moisture and corrosion resistance fire pollution.

## Specification



1
2
3
4
5

STRUCTURE	CONTENTS	THICKNESS
Protective	Film Low-Density Polyethylene	100μm
Printing	Ceramic.Polyester.PVDF.UV	10μm
Matal	GI/ PosMAC. Galvanized Steel	0.4~2mm
Edge Area	2~4 Radius	
Back Side Material (Filler)		Gypsum board   MDF   Honeycom (Al,Paper 9.5mm



Eco-friendly



Easy Cleaning



High Hardness  
(3.5H)



Non-combustion

## Functionality

Category	STEELLOOKS	STS	PCM STEEL
Non-combustible	○	○	X
Processability	0~1T	2T	2~3T
Antibacterial	Reduction 99.3%	X	X
Color Production	Small-volume multi-breed	X	Min. 5 ton
Pencil hardness	3.5H	H	H
Self Cleaning	○	X	X

# Get Smarter cutting-edge features

STEELLOOKS is a total solution product that is easy to install yet provides high performance.

- STEELLOOKS is more efficient and accurate than conventional steel construction, enabling general worker without special skills.
- No weld, complete cut and edge handling.
- Accurate horizontal vertical and clean surface treatment.



No expert needed  
Self Installation



Reduction in construction time

1 day work - without  
curing period



**COST  
REDUCTION**



Customized design

## Example of construction schedule

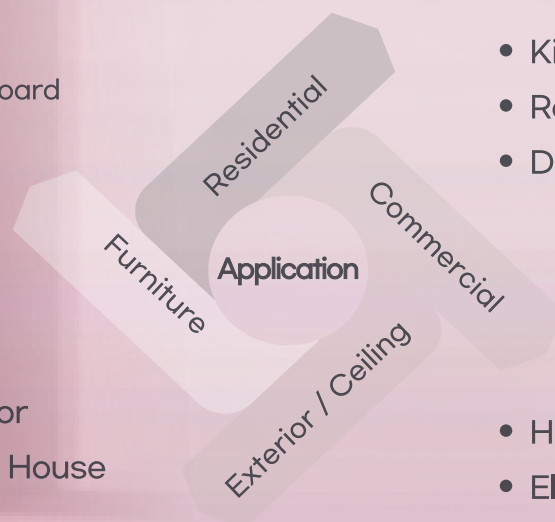
Duration of work (based on 10 hrs/ 200m <sup>2</sup> )	STEELLOOKS	Thin Tile	Regular Tile
Number of workers per day	2	8	5
Daily workload (m <sup>2</sup> )	210 m <sup>2</sup>	25 m <sup>2</sup>	40 m <sup>2</sup>
Curing Period (day)	0.5	2	2
Total construction period	1 day	4 day	2.5 day

# Exterior Wall

SOFT MATT

- White Board

- Exterior
- Model House
- Office



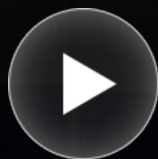
- Kitchen wall
- Restroom Art Wall
- Drywall

- Hallwall
- Elevator Art wall
- Office Partition

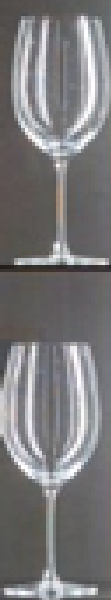
\* All image are only are refrence for understanding

**STEELLOOKS**

# Application



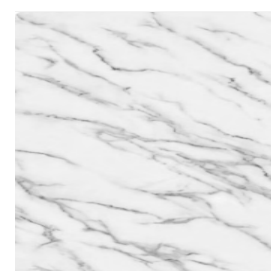
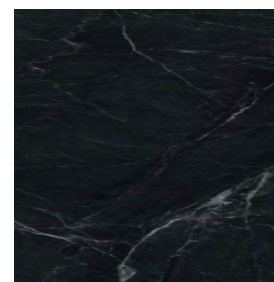
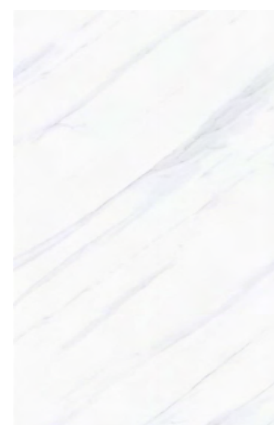
**STEELLOOKS** is an alternative to many materials such as marble, wallpaper, paintings, and tiles. Our high-resolution printing offers infinite possibilities.



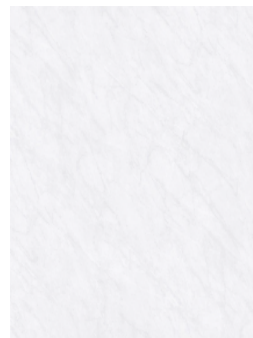


## Application

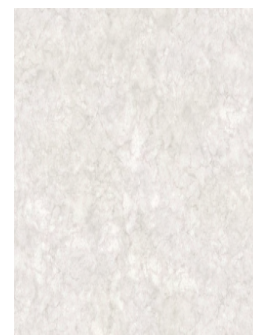
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## Application



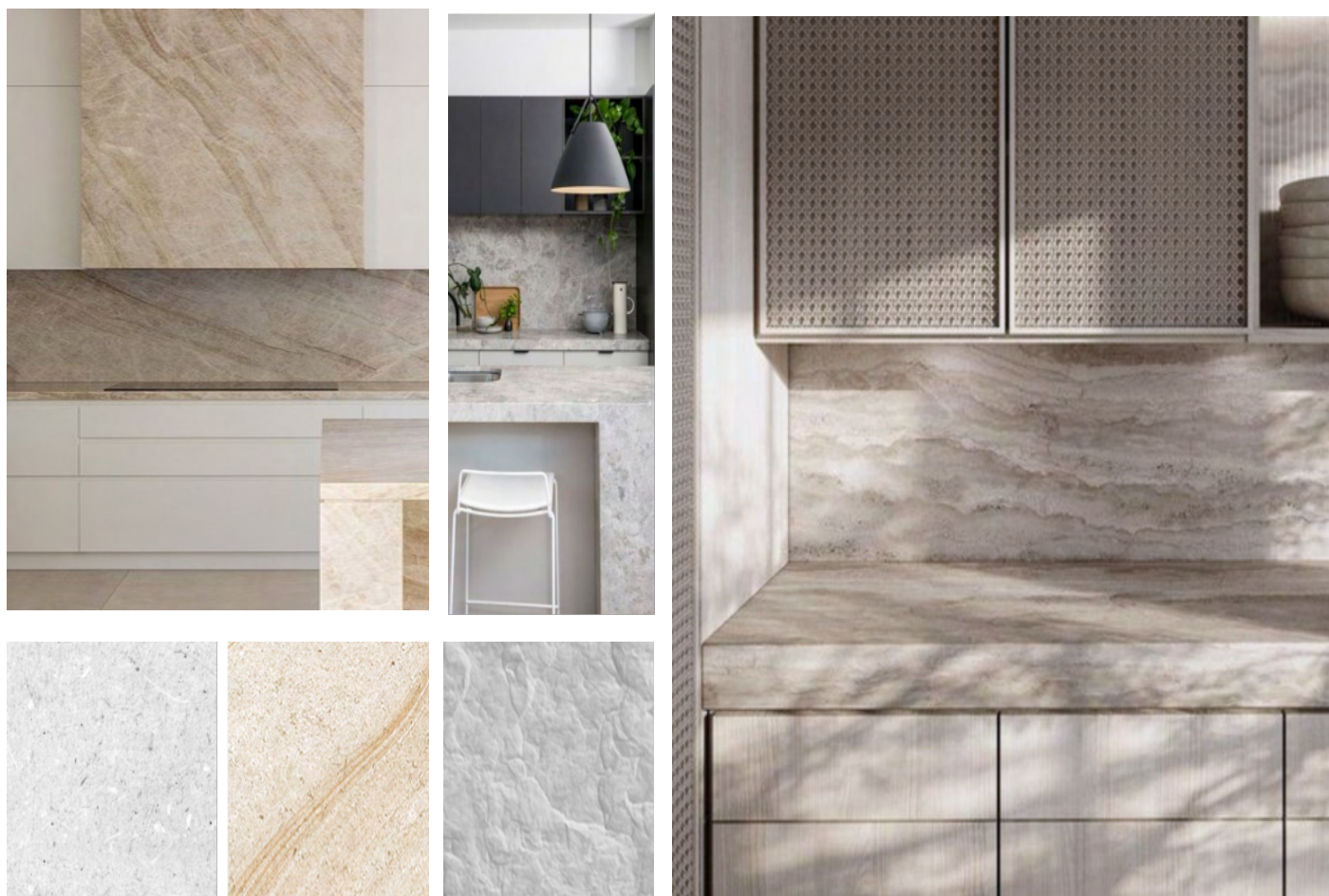
Excellent smoothness Able to **attach a magnet**  
Reflects various customer's design requests





## Application

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## Application

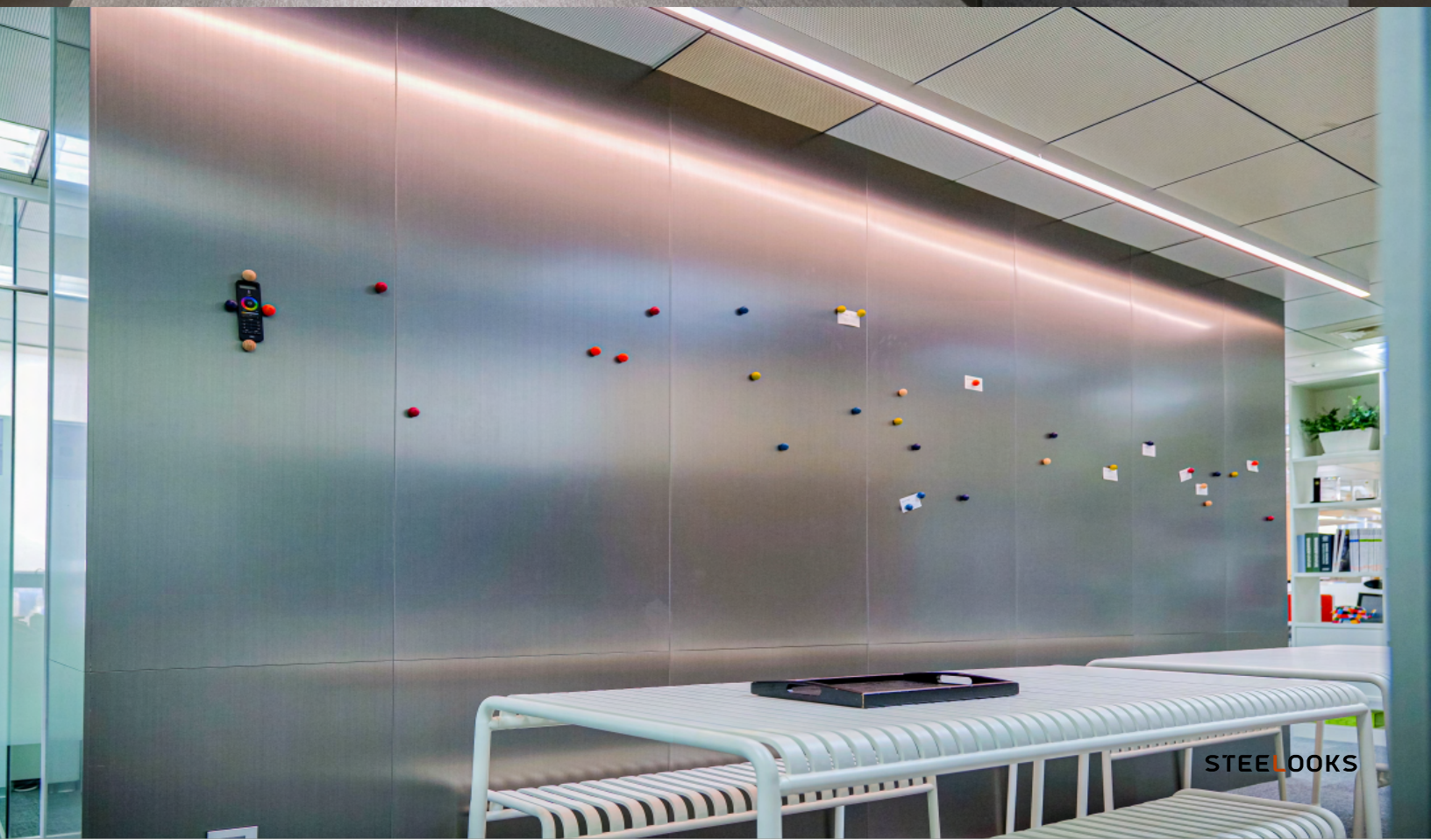
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## Application

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## Application

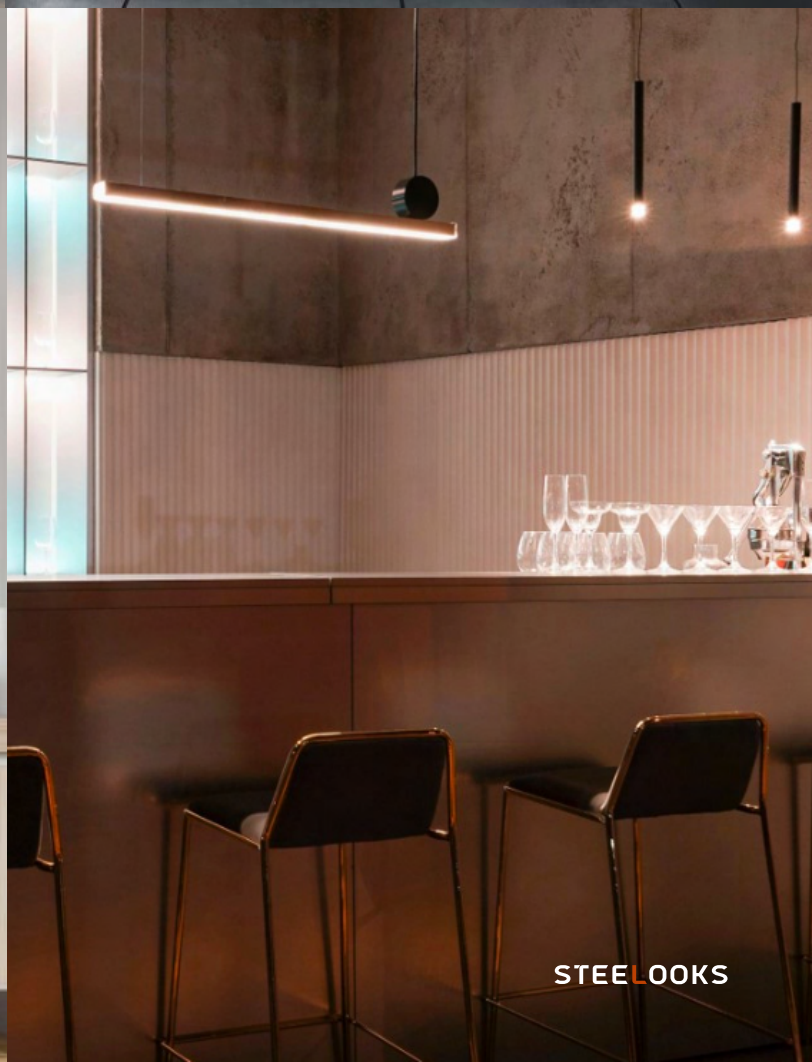
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## Application

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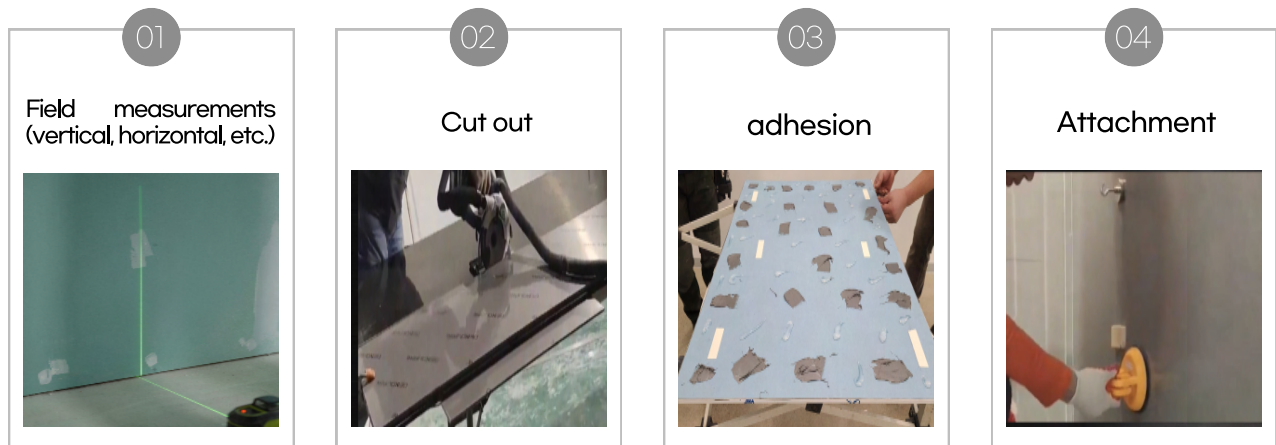


If you wish to install the product by yourself, we recommend that you purchase and install it after sufficient confirmation with a professional agent through our customer center.

Damage caused by installation negligence and defective products cannot be exchanged/returned.

## Self Installation manual

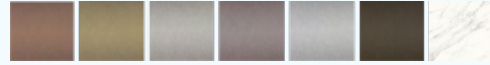
- 1 Checking construction site conditions: Temperature 21 °C to 25 °C, Humidity 40% to 70%, Maintaining conditions, wall function rate of 5% or less.
- 2 Set the horizontal and verticals using a laser leveler and cut them according to the design size.
- 3 Attach the steel panel to the wall using glue(Epoxy)  
Align horizontal and smoothness with each other with magnets.
- 4 After completion of construction, installation of finish molding and ceiling molding finish materials, etc.



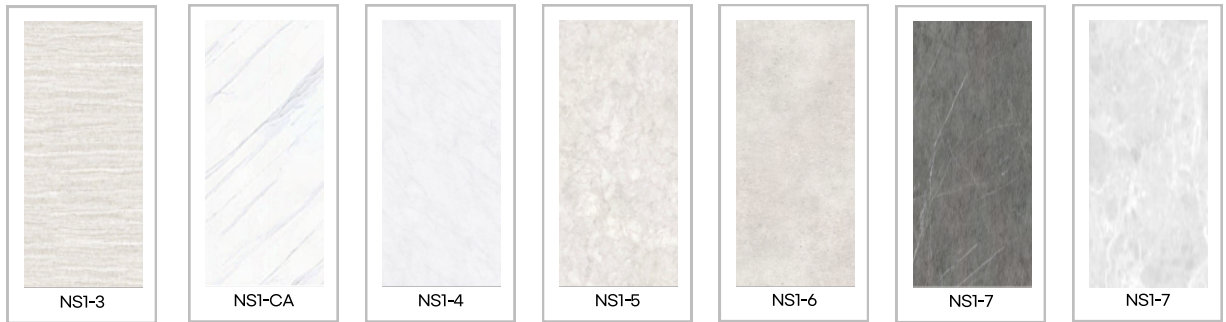
### Caution

- Product appearance, specifications, etc. are subject to change without prior notice for product improvement.
- We are not responsible for any problems caused by using an authentication method not provided by JJ Energy.

# STEELLOOKS Collections



## Natural Look



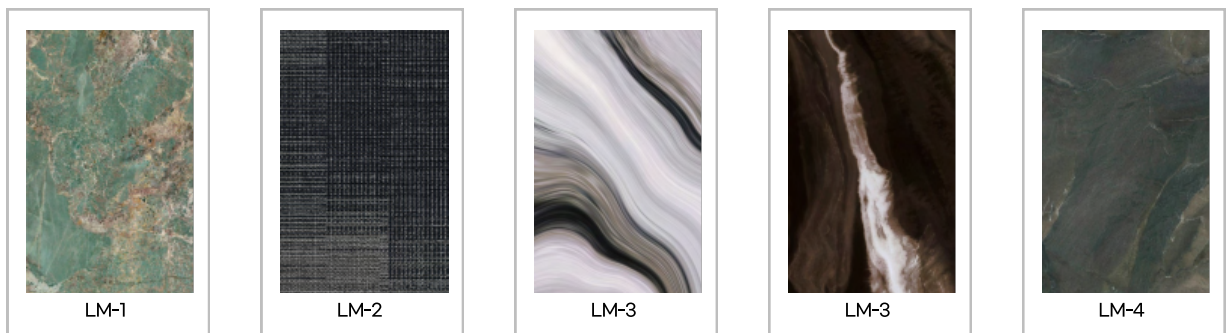
## Metal Look



## Solid Look



## Marble Look



※ Various color/pattern combinations and designs can be selected.



# TECHNICAL INFORMATION

## 1. SIZE

- W 900 x H 800 x T 10.5 - 12kg
- W 900 x H 1800 x T 10.5 - 16kg
- W 900 x H 2400 x T 10.5 - 21kg



CONSTRUCTION EXAMPLE 3300\*3000MM

## 2. TEST RESULTS

Cupping test (depth of indentation : 6 mm)		pass	teperature : (23 ± 2), humidity : (50 ± 5) % R.H			
Impact resistance		Passed	(20 ± 2)℃, (65 ± 2) % R.H			
Determination of resrstance to liquids–Imersionin liquids other than water : Methods A, 5 % H2SO4,NaOH,72h		Not surface peeling	(23 ± 2)℃, (50 ± 2) % R.H			
Bending test	Pass	(21~23)℃, (40~42) % R.H.				
Cross cut test	The cut surface is smooth and there is no detached square grid		(21~23)℃, (40~42) % R.H.			
Dry heat test	Pass	(21~23)℃ (40~42) % R.H.				
Stain resistance	Pass	(21~23)℃, (40~42) % R.H.				
Boiling Water resistance	Pass	(21~23)℃, (40~42) % R.H.				
Penci I hardness(3H)	Pass	(21~23)℃, (40~42) % R.H.				
TVOC ,Toluene, Formaldehyde [ Unit: mg/(m2. h) ] 0.009, 0.001, 0.004 / Methods– KS M 1998:2017						
Antibacterial Test : Escherichia coli & Pseudomonas aeruginosa Reduction rate (%) 93.3% & 96.4%						
Test Methods : KS M ISO 1520:2006 / KS M ISO 2812-1:2012 / KS M ISO 2409:2013 / KS M ISO 15184:2012 / KS M 6070:2014 / KS B 0804:2001						
Test items		Unit	Test results			Criteria
			No.1	No.2	NO.3	
Non-Cornbustibilty test	Mass loss rate	%	0.3	0.2	0.2	≤ 30
	Difference between maximum temperature and final temperature	℃	2.6	1.6	5.9	< 20
Gas Toxicity Test	Average stop motion time of laboratory mouse	MIN: S	14:49	14:16	–	≥ 9 : 00

## 3. CERTIFICATE



\*Please visit [www.jjenerjy.co.kr](http://www.jjenerjy.co.kr) for detailed installation / maintenance guides and technical information.

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