CROWN
BUILDING SUPPLIES
BUILD WITH US

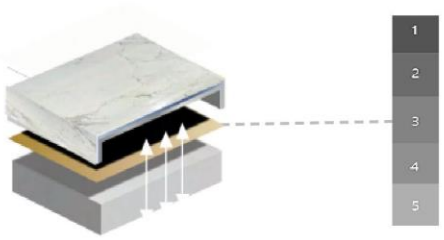
Hybrid
Color Steel Panel

STEELOOKS

STEELOOKS Functionality

The new concept **STEELOOKS** 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



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

Eco-friendly

Easy Cleaning

High Hardness (3.5H)

Non-combustion

Functionality

Category	STEELOOKS	STS	PCM STEEL
Non-combustible	O	O	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	O	X	X

Get Smarter cutting-edge features

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

- STEELOOKS is more efficient and accurate than conventional steel construction, enabling general worker without special skills.
- No weld, complete cut and edge handling.
- A ccurate 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/ 200㎡)	STEELOOKS	Thin Tile	Regular Tile
Number of workers per day	2	8	5
Daily workload (m²)	210 m²	25 m²	40 m²
Curing Period (day)	0.5	2	2
Total construction period	1 day	4 day	2.5 day

Exterior Wall

SOFT MATT

- White Board

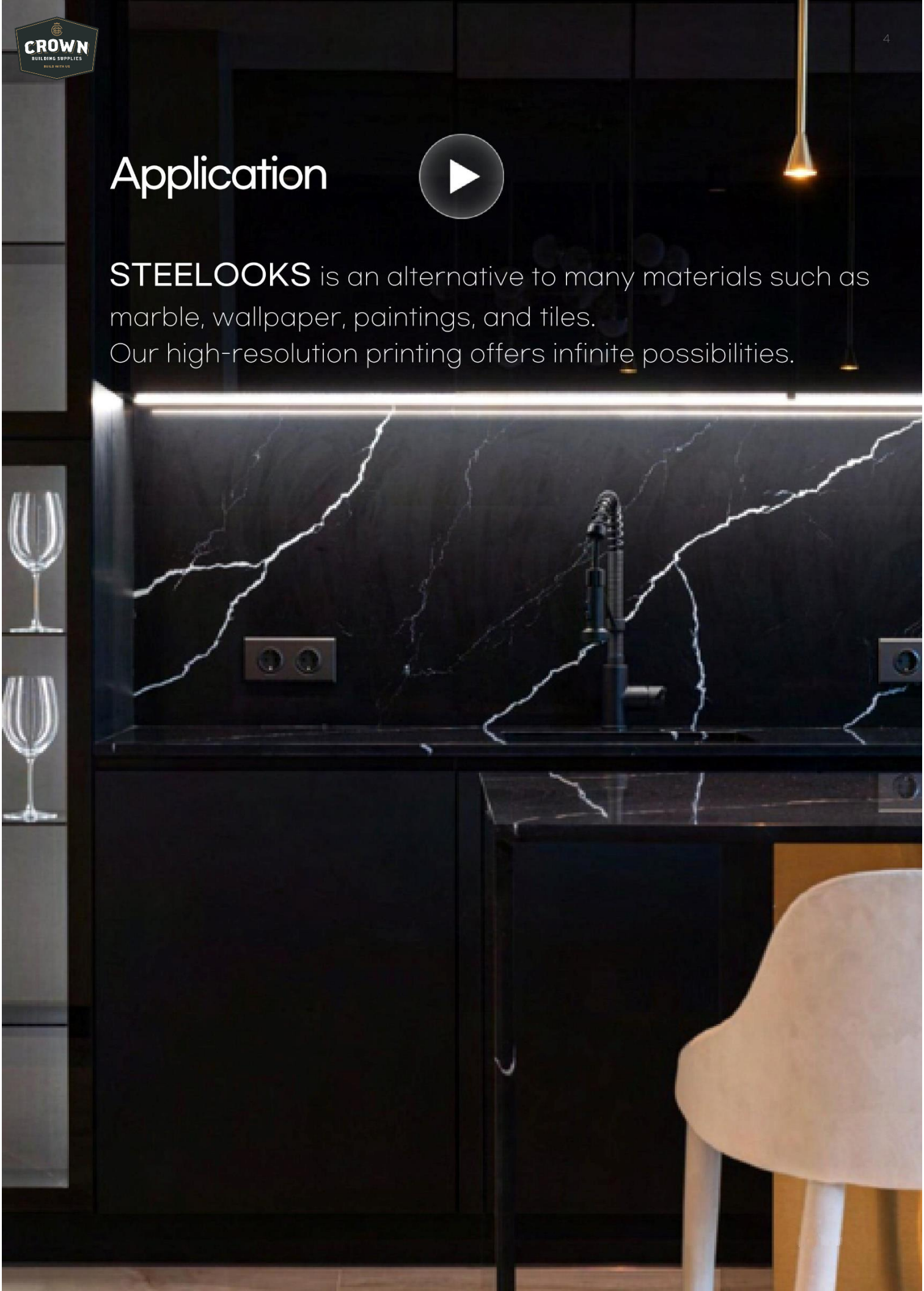
- Kitchen wall
- Restroom Art Wall
- Drywall

- Exterior
- Model House
- Office

- Hallwall
- Elevator Art wall
- Office Partition

Application

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



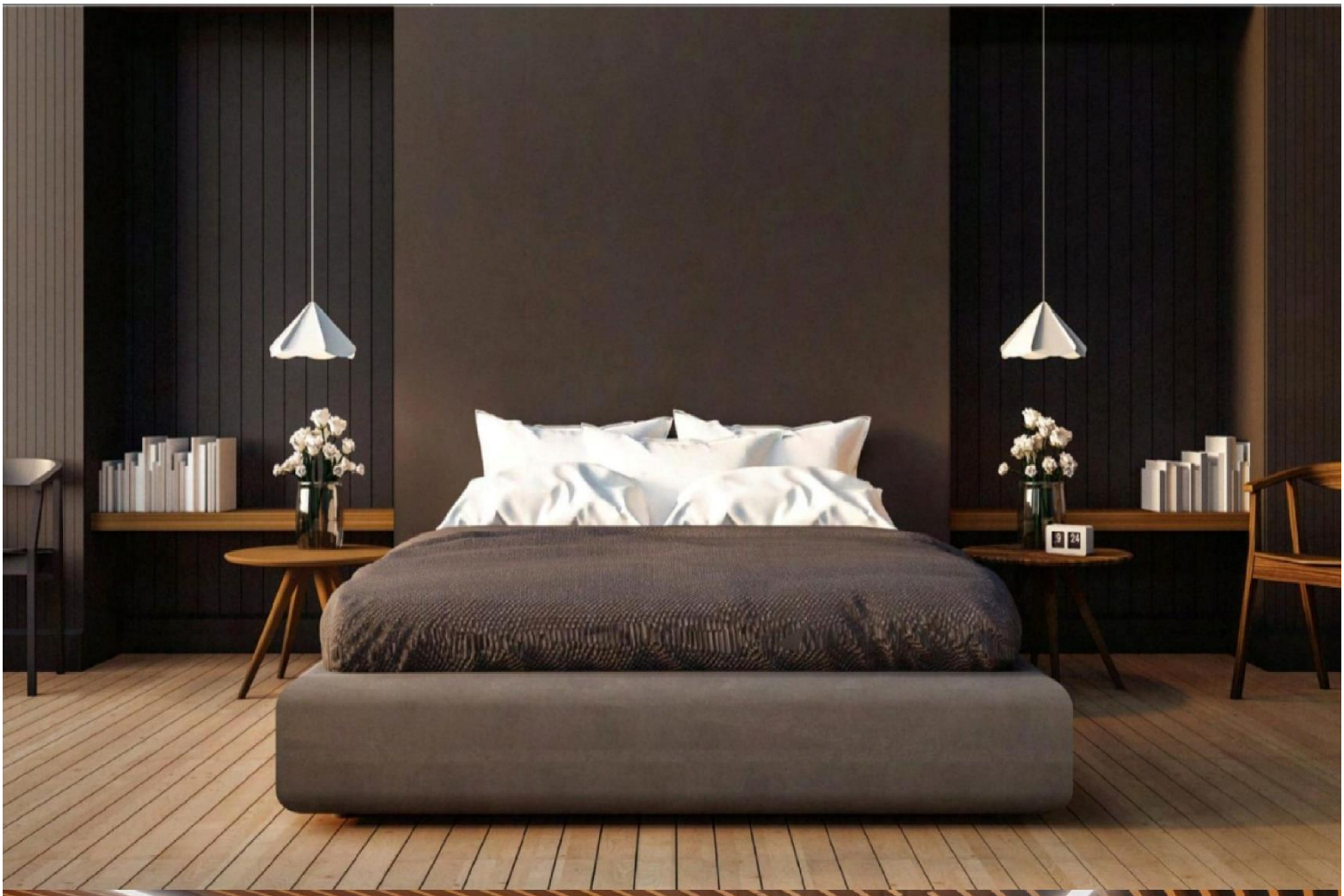
Application

Application

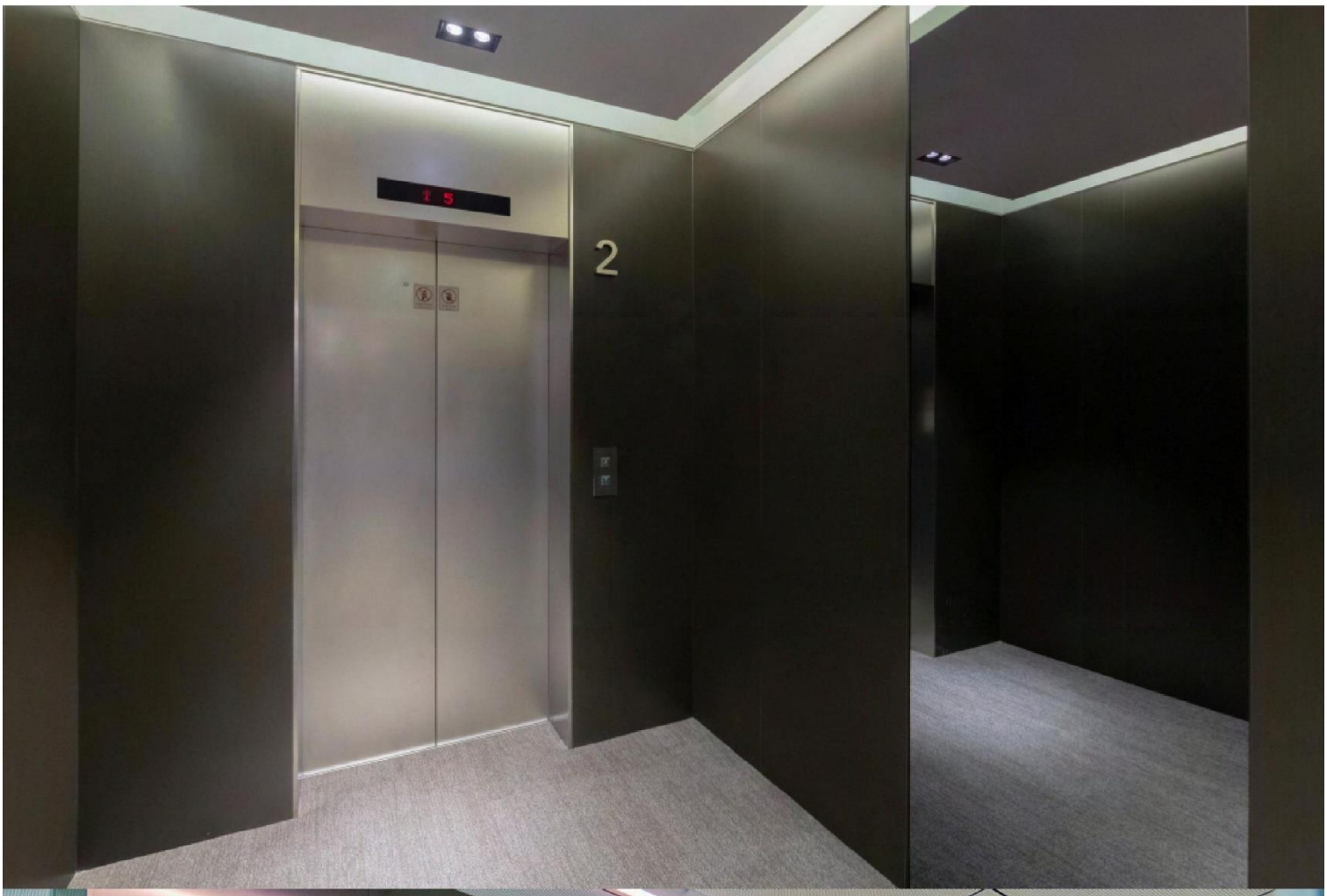
Excellent smoothness Able to attach a magnet
Reflects various customer's design requests

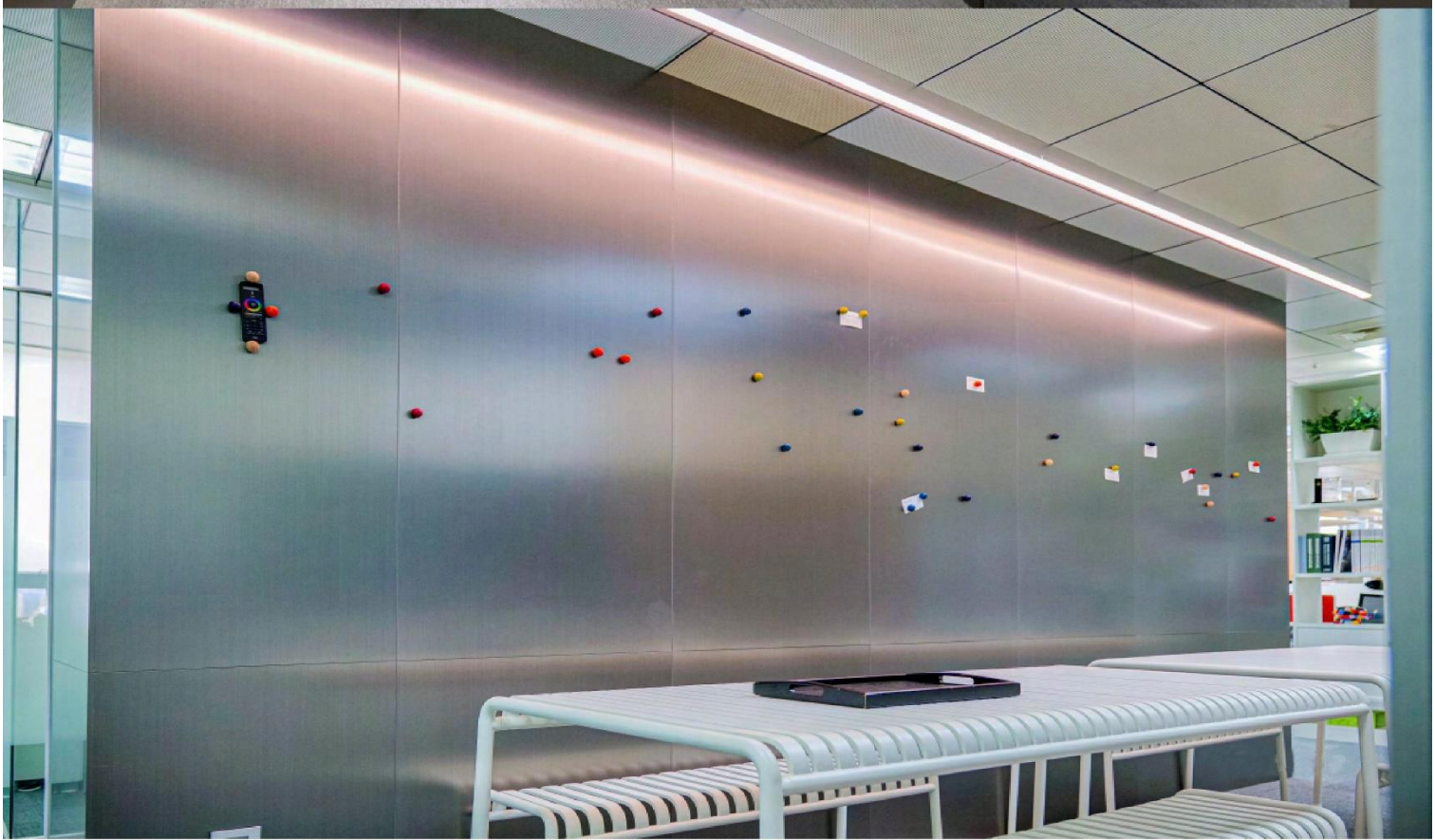
Application

Application



Application





Application

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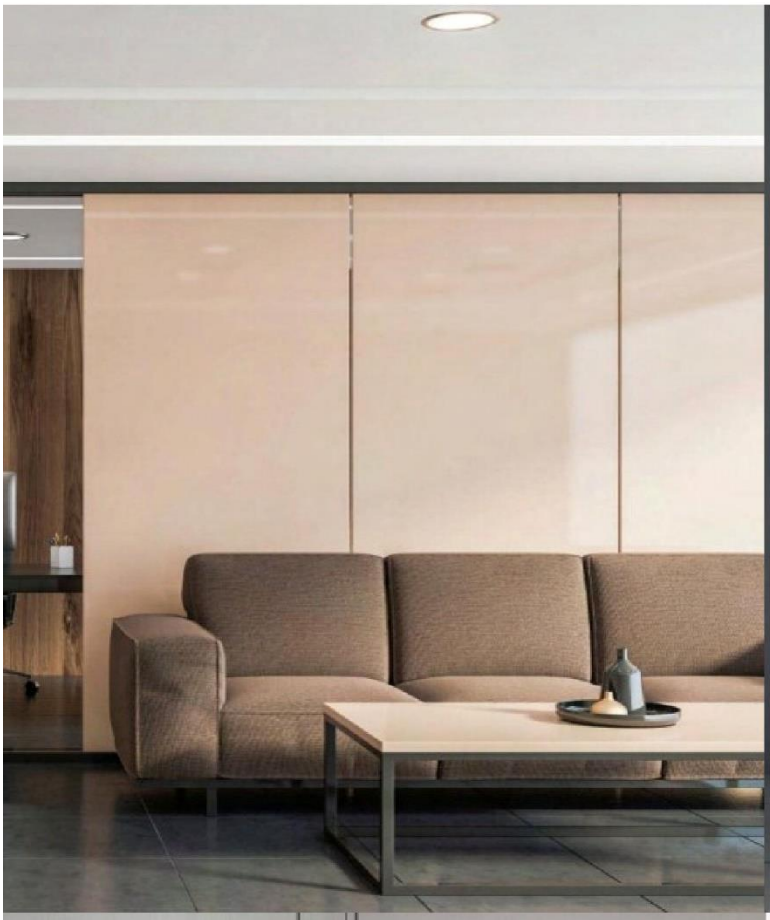
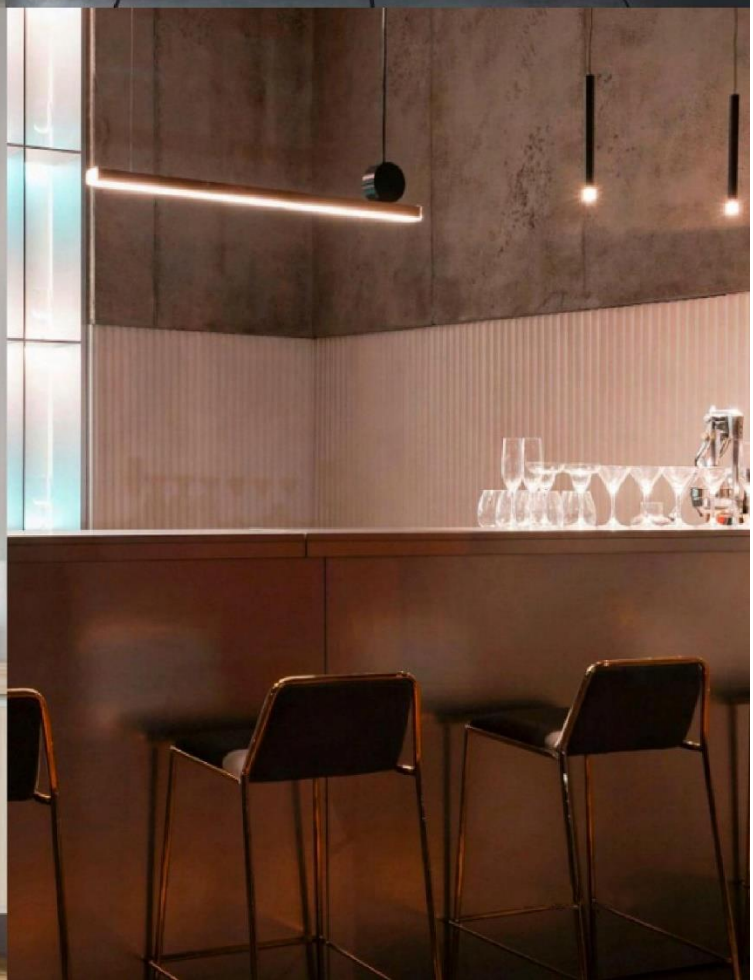




STEELOOKS Construction

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 ℃ to 25 ℃, 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.

01

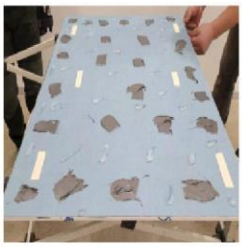
Field measurements (vertical, horizontal, etc.)

02

Cut out

03

adhesion



04

Attachment

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.

STEELOOKS Collections

Natural Look

NS1-3

NS1-CA

NS1-4

NS1-5

NS1-6


NS1-7

NS1-7

Metal Look

MS-P


MS_H1


MS-RG1

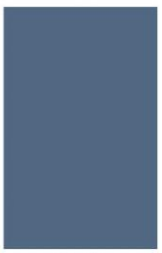
MS-AP


MS-CACA

Solid Look

SS_Y

SS_K


SS-P1


SS-CA

SS-W!

Marble Look


LM-1


LM-2


LM-3


LM-3


LM-4

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

TECHNICAL INFORMATION

1. SIZE

- W 900 x H 800 x T 10.5 - 12kg

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 l 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