

**“ BFT PANEL  
will always  
be your trusted  
partner.**



**Metal Siding | Accessories**

Product Catalog 2024



# About BFT PANEL

## Metal Siding Manufacturer & Supplier

BFT PANEL specializes in decorative insulated metal siding panels, metal base trim, and accessories. Founded in 2020 and located in Zibo, China, we are dedicated to providing unmatched service that enhances your business.

## Innovative Facade Solutions

Serving clients in over 30 countries and regions, Our products widely used as facade cladding materials for residential homes, commercial buildings, industrial facilities, and agricultural structures. We provide durable, reliable, high-quality, and cost-effective solutions, whether for your new construction or renovation projects.

## Quality Assurance

Our products are crafted in partnership with industry leaders such as Baosteel, Akzo Nobel, KCC, and Nippon, ensuring superior quality. We provide hundreds of customizable options in various textures and styles tailored to meet your specific needs.





## Your Trusted Partner

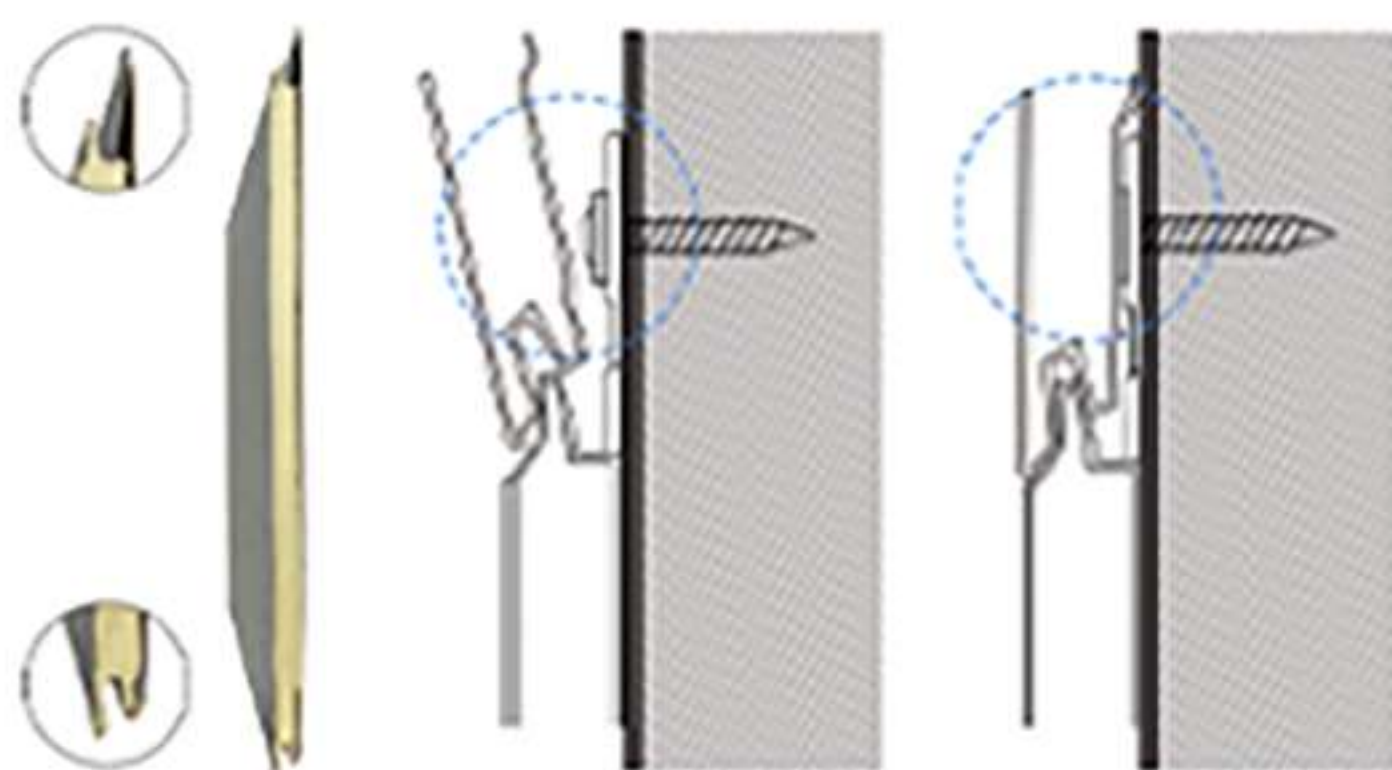
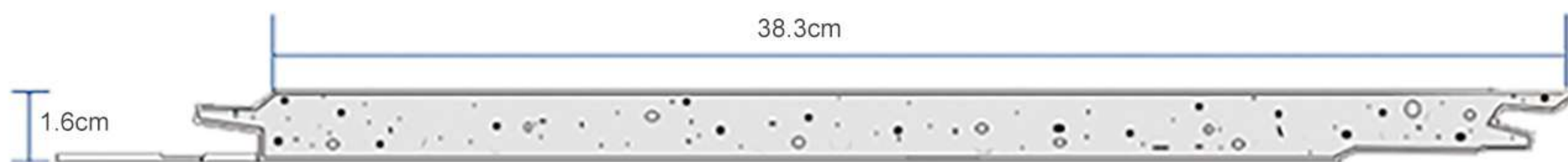
At the core of our business is our commitment to our customers, market-driven innovation, an inclusive and empowering company culture, and a steadfast commitment to our zero-harm safety initiative.

## Looking to the Future

At BFT PANEL, we aim to establish a global brand and become a leader in innovative building materials. As we continue to evolve, we believe that the best is yet to come.



# Innovative Metal Siding



**Material:** Metal

**Finishes:** Smooth, Textured, Embossed, and Dual-coat, etc.

**Width:** 383mm

**Thickness:** 16mm, 20mm, 25mm

**Length:** Customized

★ Please contact our sales manager, we can customize it according to your project.



## Exterior Layer

High-quality Galvalume steel sheet with exquisite 3D designs,

38.3cm



1.6cm



## Core Layer

High-density polyurethane foam with a thickness of 16 mm. Provides thermal insulation and soundproofing.



## Interior Layer

Moisture-resistant and heat-insulating aluminum foil. Protects the facade from internal moisture and reduces heat loss.

| No. | Test Items                                |                           | Test Results                          | Standards      |
|-----|-------------------------------------------|---------------------------|---------------------------------------|----------------|
| 1   | Density (PU)                              |                           | 42 kg/m <sup>3</sup>                  | GB/T6342-2009  |
| 2   | Compressive Strength (PU)                 |                           | 295 kpa                               | GB/T8813-2008  |
| 3   | Thermal Conductivity (PU)                 | Average Temperature: 10°C | 0,022W (m·K)                          | GB/T10295-2008 |
|     |                                           | Average Temperature: 25°C | 0,024W (m·K)                          |                |
| 4   | Water Absorption                          |                           | 0.8%                                  | GB/T8810-2005  |
| 5   | Vertical Tensile Strength (Siding)        |                           | 1.6 kpa                               | JG/T149-2003   |
| 6   | Flexural Capacity (Siding)                | Vertical                  | 5.44 Mpa                              | GB/T9341-2008  |
|     |                                           | Horizontal                | 3.88 Mpa                              |                |
| 7   | Salt Spray (Steel Sheet)                  | Neutral Salt Spray        | No damage within 500 hrs              | GB/T1771-2007  |
| 8   | Acid Resistance (Steel Sheet)             | 5% Sulfuric Acid          | No Abnormality Detected Within 24 hrs | GB/T9274-1988  |
| 9   | Alkali Resistant (Steel Sheet)            | 5% Sodium Oxychloride     | No Abnormality Detected Within 24 hrs | GB/T9265-2009  |
| 10  | High Temperature Resistance (Steel Sheet) |                           | 600°C                                 | GB/T8332-2008  |
| 11  | Closed Cell Ratio (PU)                    |                           | 99.7%                                 | GB/T20284-2006 |
| 12  | Aluminum-Zinc Alloy Coated                |                           | 55% Aluminum, 43% Zinc                | GB/T13475-2008 |
| 13  | Wind Pressure Resistance (Siding)         |                           | 10 kpa the sample is not damaged      | JG 149-2003    |
| 14  | Horizontal Burning (PU)                   |                           | HF-1                                  | GB/T8332-2008  |
| 15  | FR Standard                               |                           | B                                     | GB/T20284-2006 |
| 16  | Heat Transfer Coefficient                 |                           | 1.050W (m <sup>2</sup> ·K)            | GB/T13475-2008 |
| 17  | Sound Reduction Index                     |                           | 25dB                                  | GB/T50121-2005 |

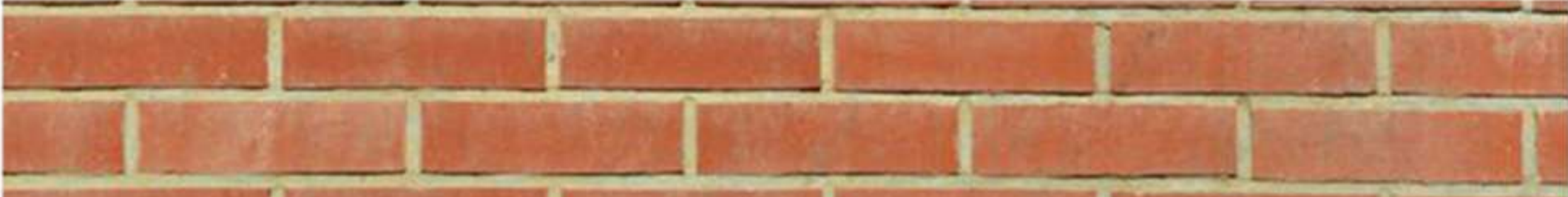
# What You Need to Know

**Polyurethane**



**Other Insulation Materials**

Material Thickness Required to Achieve the Same Insulation Effect

| Material             |                                                                                      |        |
|----------------------|--------------------------------------------------------------------------------------|--------|
| Polyurethane         |    | 1.0cm  |
| Polystyrene          |    | 1.6cm  |
| Mineral Fiber        |  | 1.8cm  |
| Lightweight Concrete |  | 15.2cm |
| Brick Wall           |  | 34.4cm |

**BFT PANEL**



**Other Metal Sidings**

| Brand                   | BFT PANEL                                                       | Other Metal Sidings    |
|-------------------------|-----------------------------------------------------------------|------------------------|
| Substrate Thickness     | 0.25 ~ 0.27 mm                                                  | 0.15 ~ 0.23 mm         |
| Coating Layer           | 55 ~ 75 g                                                       | < 50 g                 |
| Coating Brand           | AkzoNobel                                                       | Standard Coating       |
| Coating Thickness       | ≥20 um                                                          | 10 ~ 20 um             |
| Coating Type            | High Weather-Resistant Polyester Paint                          | Standard Polyester     |
| Polyurethane Density    | 40 ~ 42 kg/m <sup>3</sup>                                       | 35 kg/m <sup>3</sup>   |
| Backing Film            | Aluminum Foil & Fiber Fabric Composite Material                 | Aluminum Foil Paper    |
| Manufacturing Process   | 300°C High-temperature Baking                                   | Low-Temperature Baking |
| Finished Product Weight | 3.0 ~ 3.7 kg/m <sup>2</sup>                                     | 2.3 kg /m <sup>2</sup> |
| Noted                   | We can customize according to customers' specific requirements. |                        |



## Increasingly Popular Exterior Cladding Option

### Air Circulation

With this method, the rainwater on the backside of the panel can be discharged quickly, preventing moisture condensation and sunlight heat into the room.

**01**

—

**Anti-con-  
densation**

**02**

—

**Discharge  
Inside  
Rainwater**

**03**

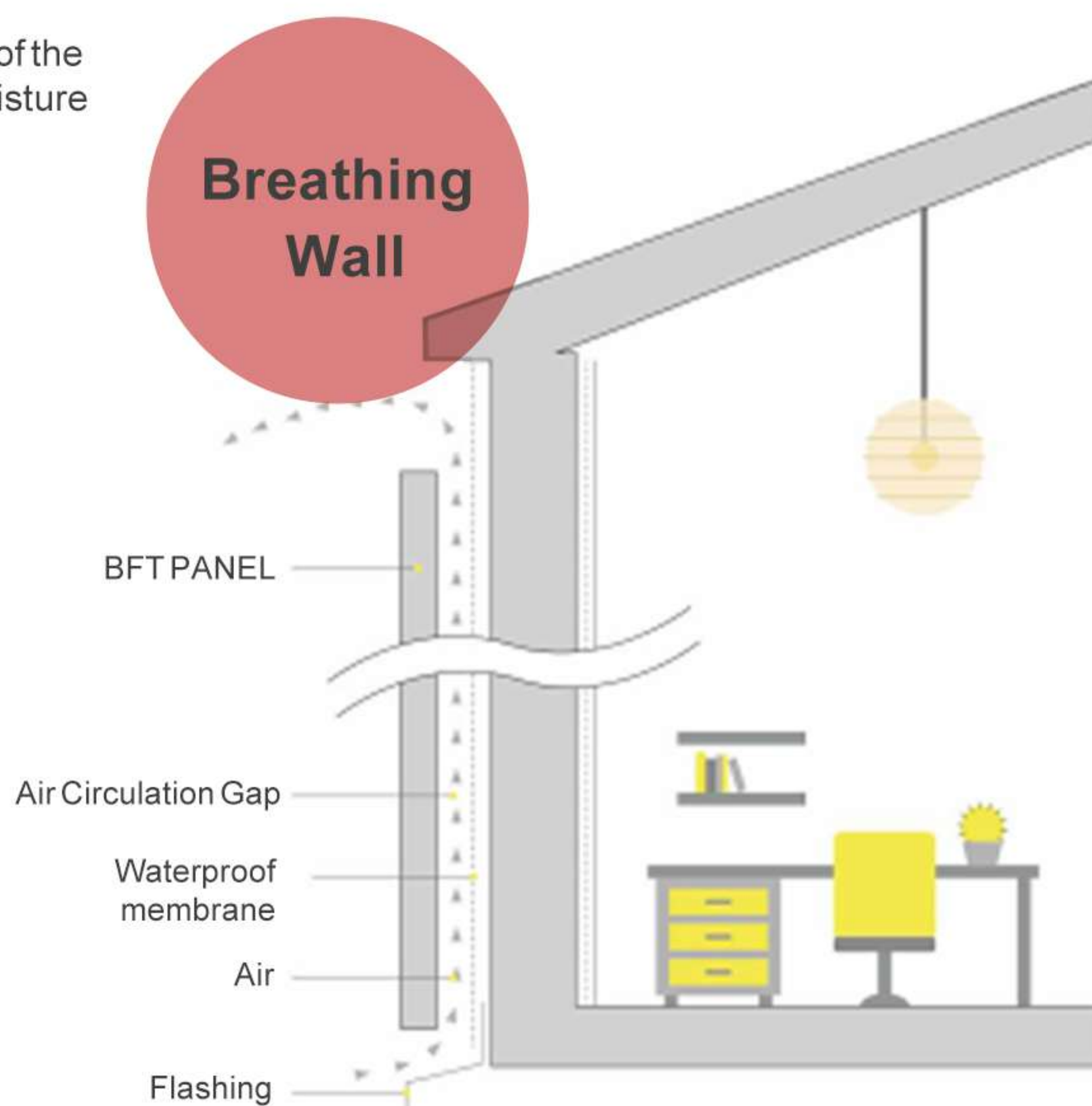
—

**Increase Air  
Conditioner  
Efficiency**

**04**

—

**Slowing  
Down House  
Aging**



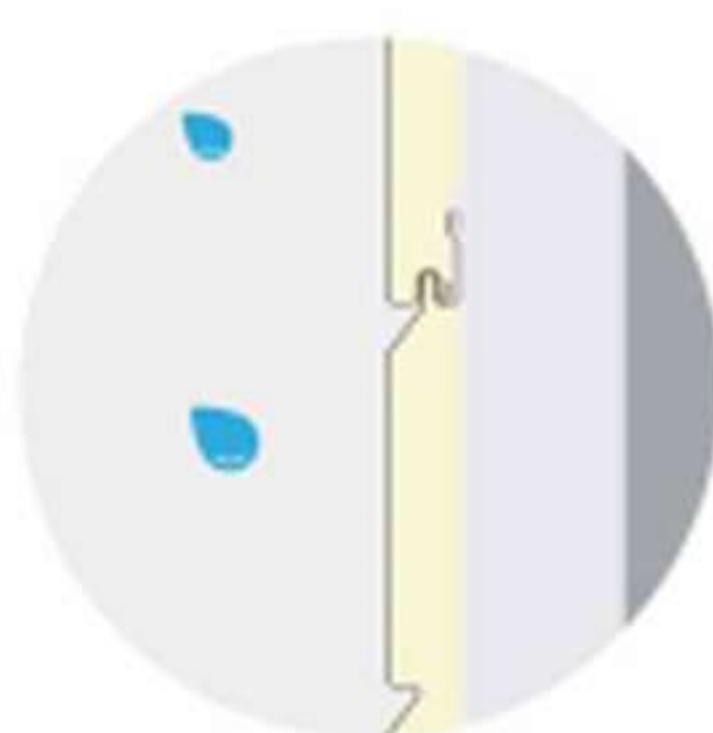
### Waterproof

As shown in the picture, BFT PANEL can provide perfect waterproofness. According to the recommendation of installation, the water tightness can reach more than 550pa.



**550+pa**

**Water Tightness**



**Water-proof structure**

**Surface metal**

**Framing**

**Wall**



## Construction

Comparing with fiber cement with the same thickness, BFT PANEL is lighter and faster and safer installation.

|           | BFT PANEL                 | Fiber Cement        |
|-----------|---------------------------|---------------------|
| Material  | Metal                     | Cement              |
| Width     | 383mm                     | 455mm               |
| Thickness | 16mm                      | 16mm                |
| Weight    | 3.0~3.7 kg/m <sup>2</sup> | 14kg/m <sup>2</sup> |

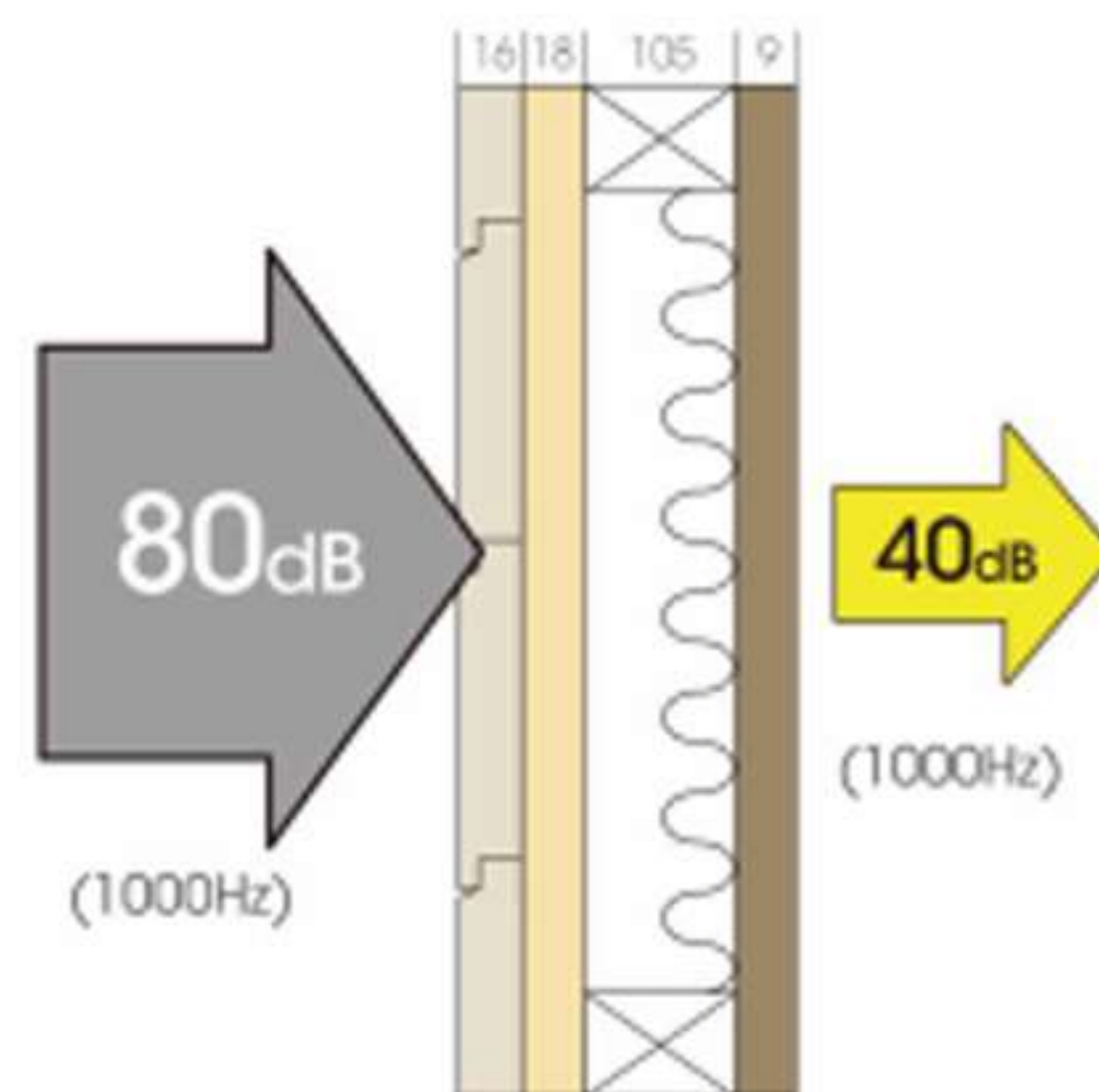
## Frost Resistance

In extremely cold region, traditional external wall materials are easily to be crack and damaged due to thermal expansion and cold contraction. BFT PANEL is made of metal with enough strength and filled with PU foaming, with low water absorption and good resilience, In extreme weather, the combination of the two materials ensures a good appearance of wallboard and extender its lifetime.

## Sound Insulation

BFT PANEL has an excellent sound insulation effect. As shown in the picture, in the case of 1000Hz, BFT PANEL can reduce around 40dB, creating a quiet space for you.

- FRAME:  
BFT PANEL: 16mm  
Profile Frame: 18mm  
Wall: 105mm  
Gypsumboard: 9mm



## Thermal Insulation

The PU foaming used in BFT PANEL has low thermal conductivity, and its unique closed-porosity and high resistance to gas diffusion make its thermal insulation performance last longer enough. In the same thermal insulation requirements, BFT PANEL can reduce the building envelope thickness to increase the use of indoor area.

### ■ Thermal Conductivity

|              |            |
|--------------|------------|
| BFT PANEL    | 0.03(0.02) |
| Fiber Cement | 0.17       |



## Why Choose BFT PANEL As Your Trusted Facade Solution

### ● Your Trusted Partner in Quality Facades



- Factory Direct Sale
- Long-lasting Quality
- Endless Design Options
- Timely Response to Projects

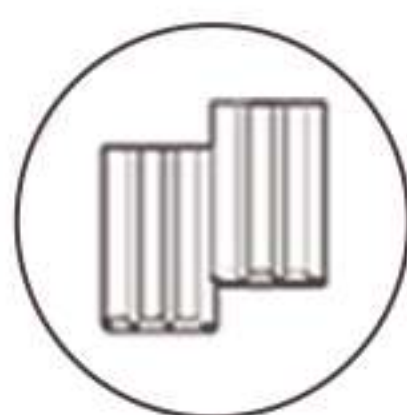
### ● The Most Cost-effective Option



Weather-Resistant



Low Maintenance



Aesthetic Appeal



Easy to Install



100% Waterproof



Soundproof



Thermal Insulation



Fireproof



Eco-Friendly



Anti Termite

### ● The Trusted Choice for Innovative Facade Cladding Materials



Mobile Home



Pole Barn



Storage Shed



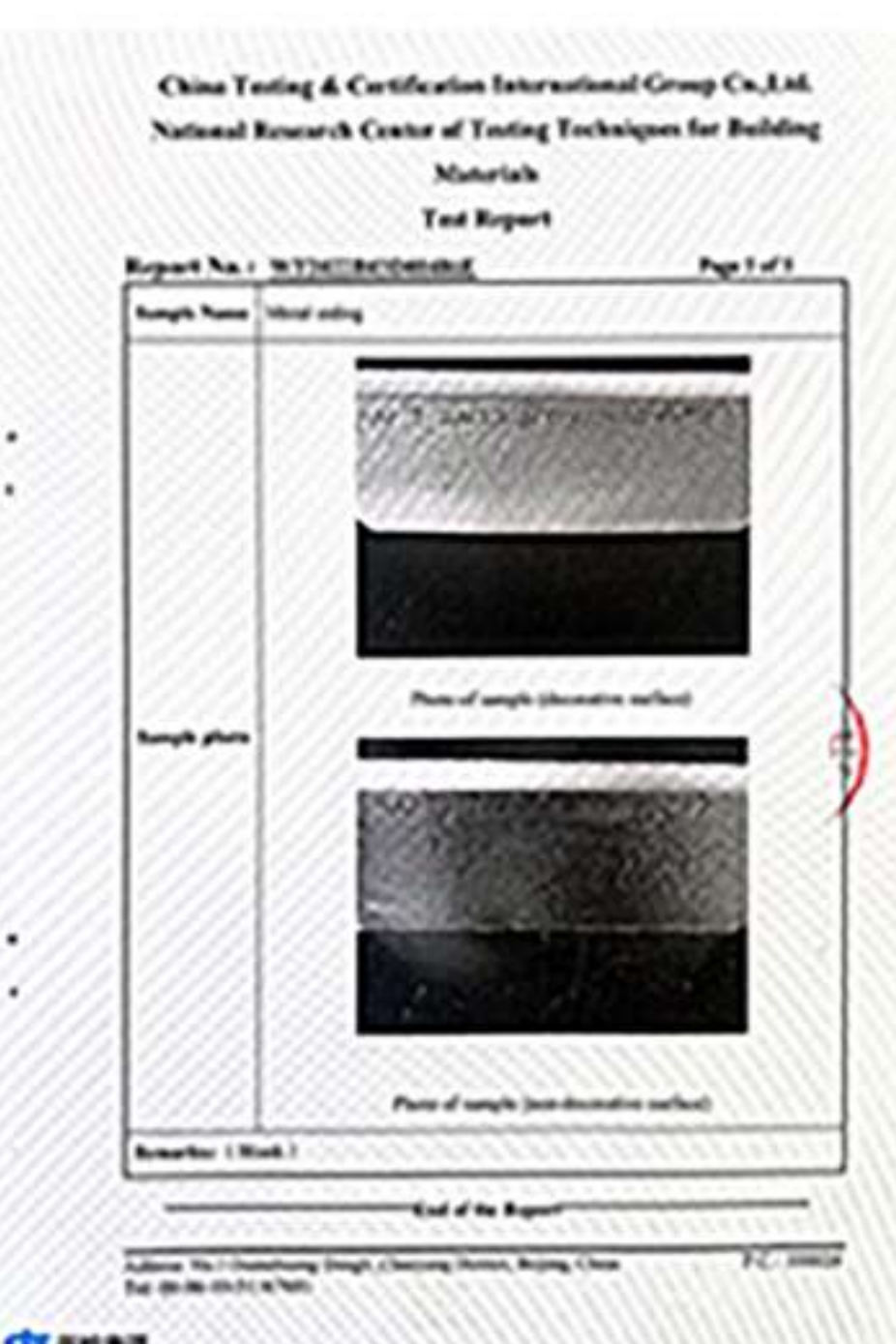
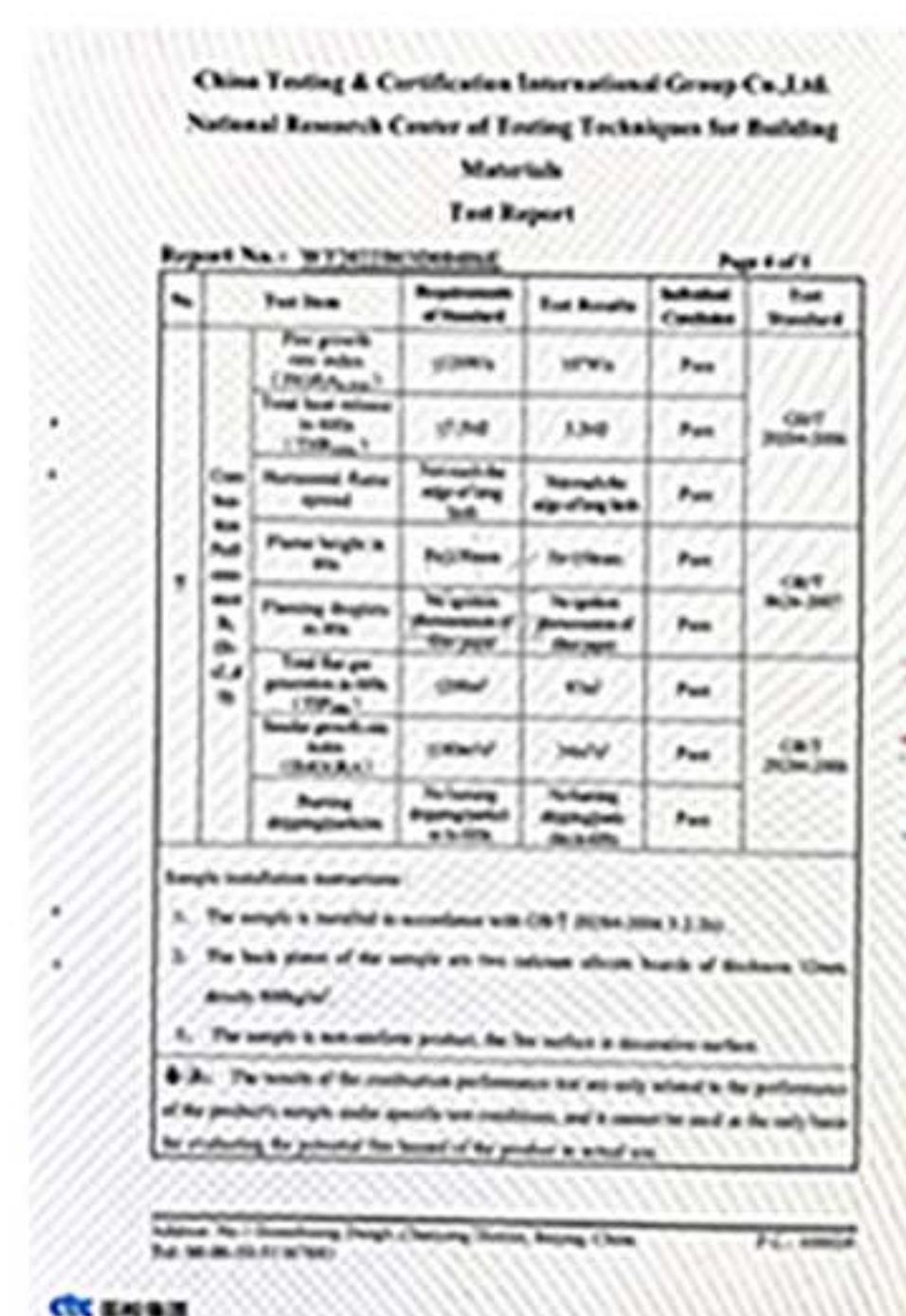
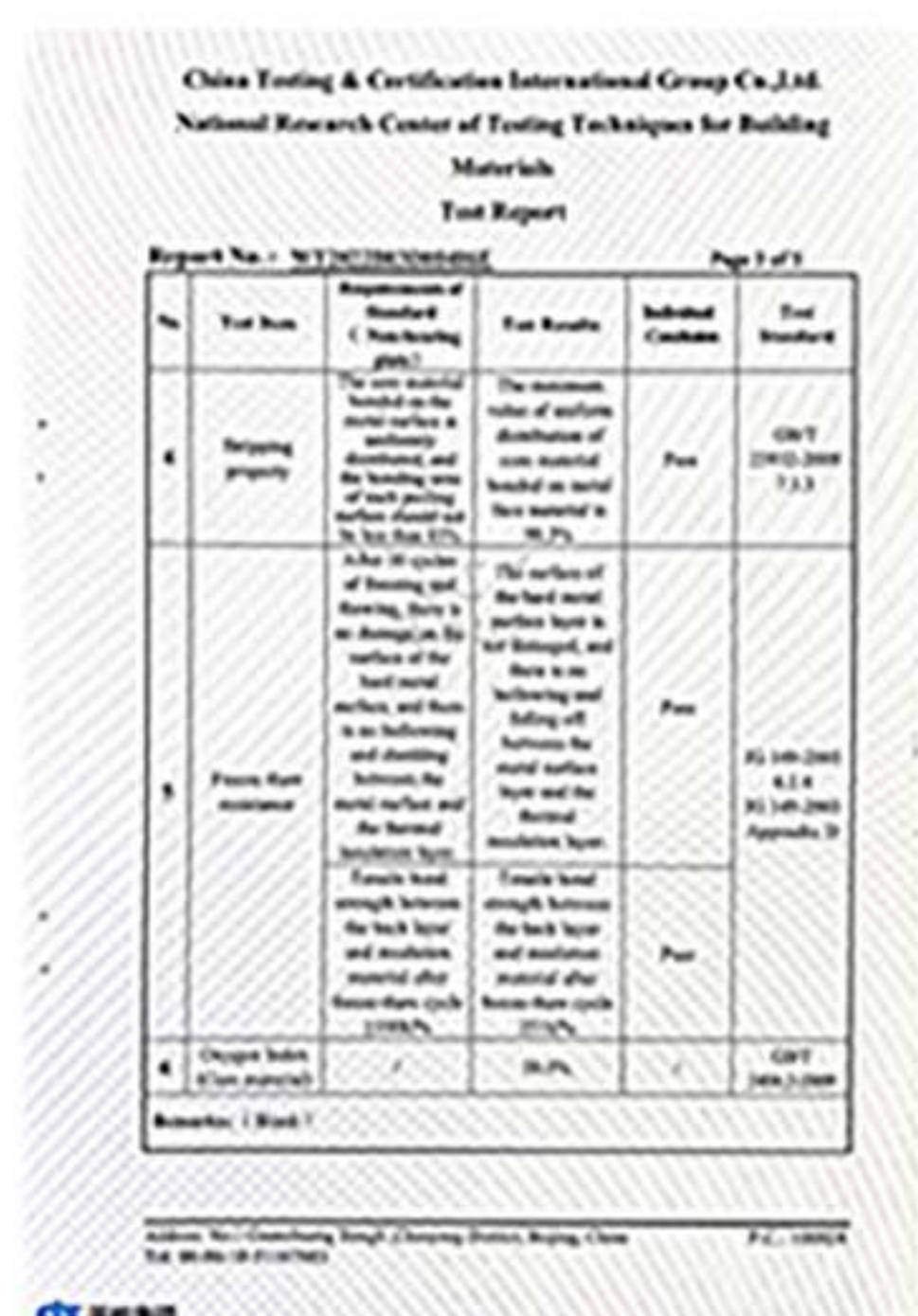
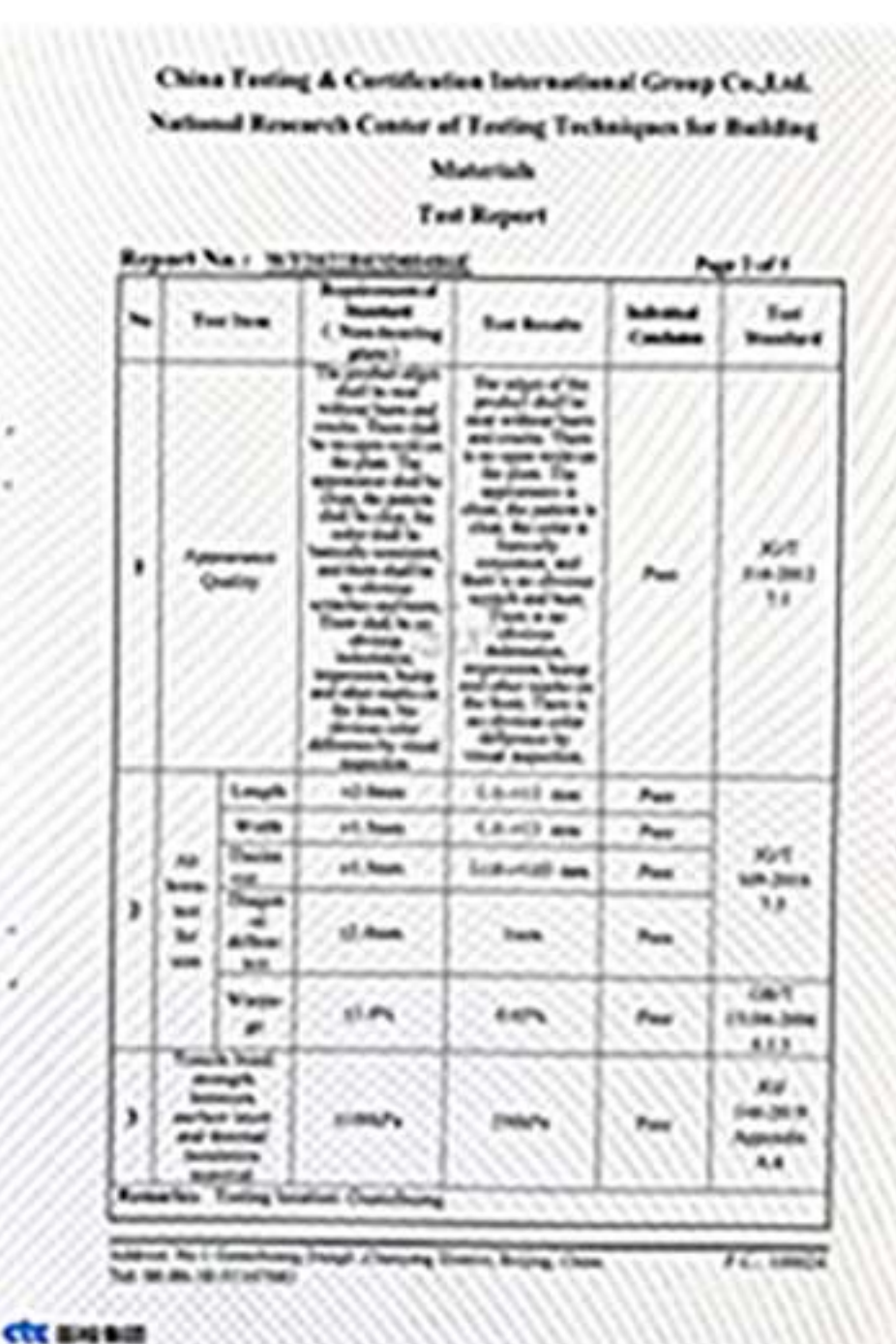
Metal Garage

Have a project in mind? Contact us today to explore tailored solutions.



# Our Certificate

Our products have earned international recognition for their outstanding quality and reliability, ensuring optimal performance in all environments.



Looking for a trusted partner to save you time and money on exterior wall facade cladding?



# Wood Series

## ● Groove



DG-A001



DG-A003



DG-A005



ZXG-A002



ZXG-A004



ZXG-A006



LZG-A001



LZG-A010



LZG-A005



LZG-A007



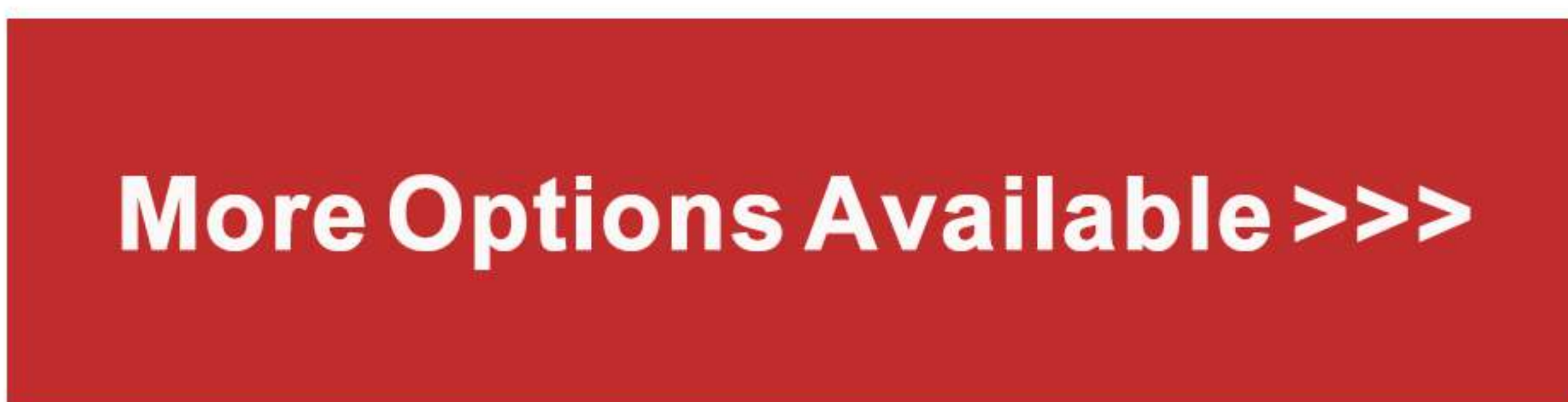
LXG-A002



LXG-A003



SZG-A002



## ● Fluted



CCB-A001



CCB-A002



CCB-A008

\*\*\*Colors may vary due to different monitor settings. Please see actual product sample for true color.



## ● Timber



SP-101



SP-103



SP-701



SP-704



XMW-901



XMW-701

## Modern Series

### ● Groove



DG-901



DG-902



DG-701



ZXG-702



ZXG-902



ZXG-102



LZG-901



LXG-102



SZG-701



## ● Vertical



CCB-901



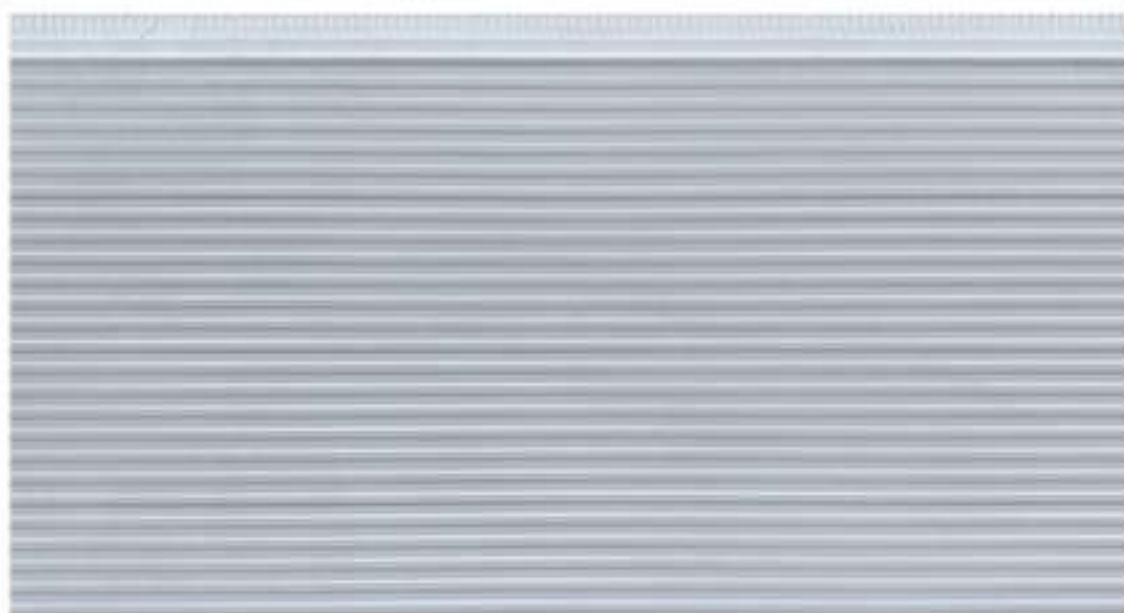
CCB-701



CCB-602



CCB-F701-01



XCCB-702



XCCB-703



XCCB-701

## ● Corrugated



XWL-901



XWL-703



XWL-701



XWL-902



XWL-101



XWL-801



# Stone Series

## ● Nature Stone



DL-901



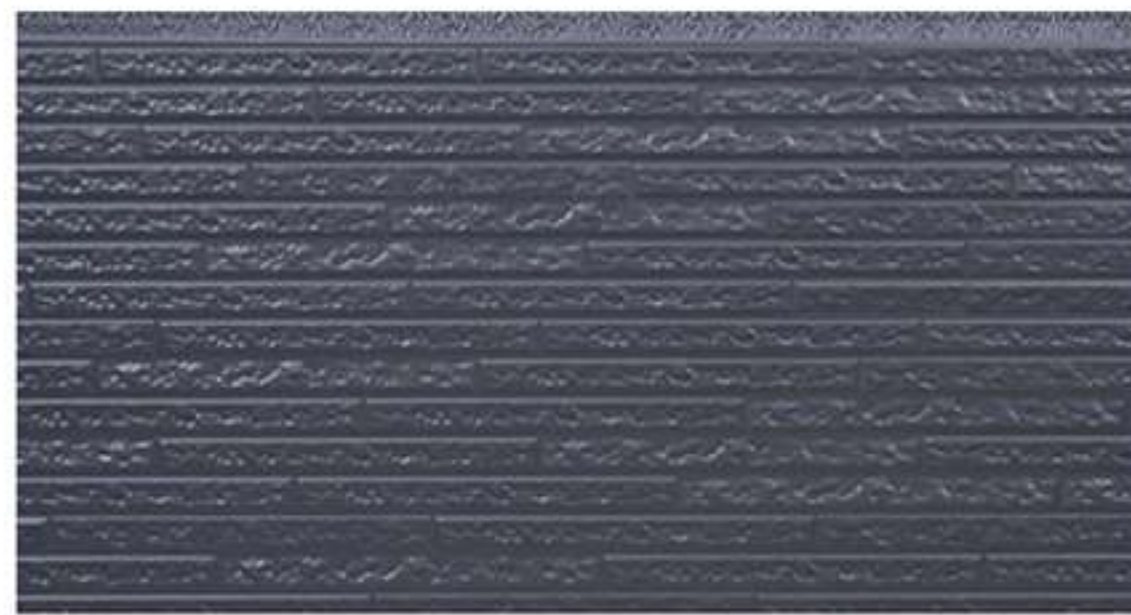
DL-902



DL-103



DL-801



DL-701



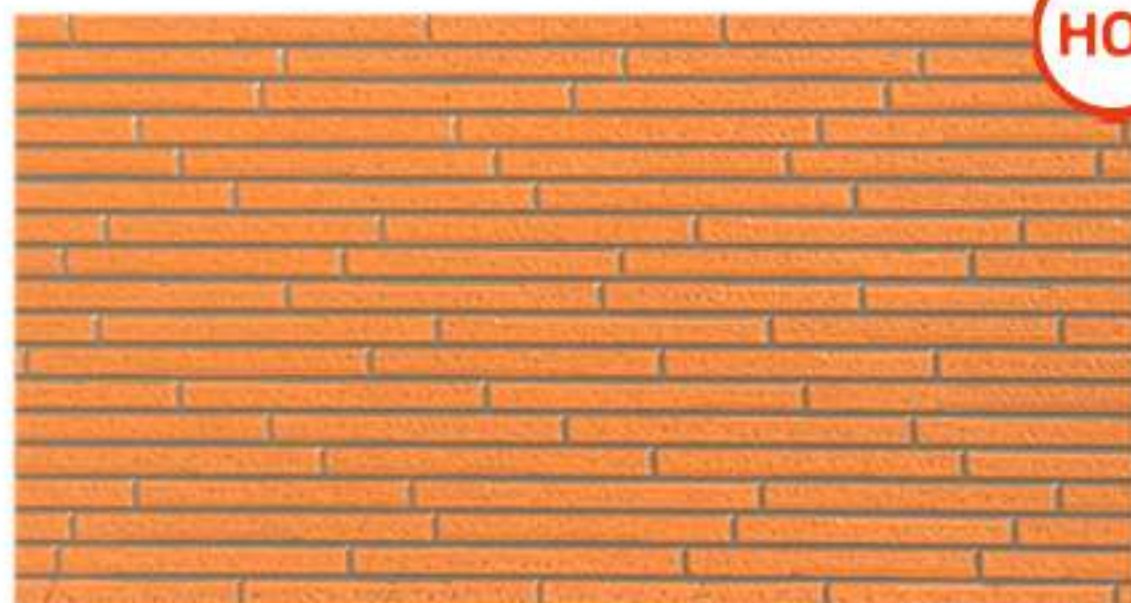
DL-602



## ● Stacked Stone



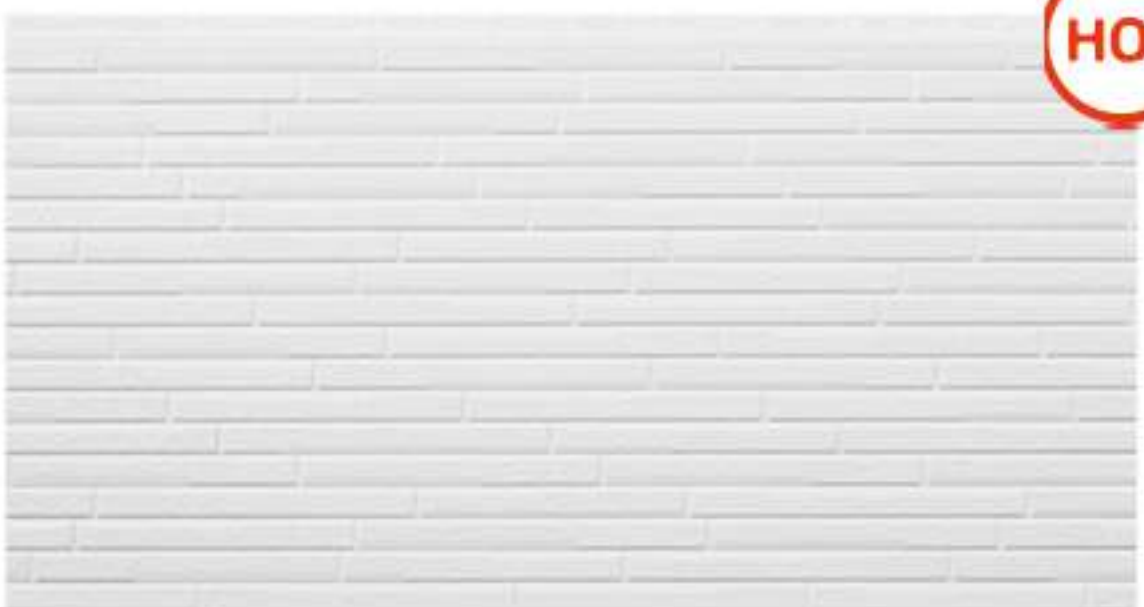
SS-F701-04



SS-F701-01



SS-703



SS-901



SS-902



SS-701



DS-901



DS-308



DS-602





## ● Strip Stone



CS-901



CS-902



CS-704



JGS-902

**More Options Available >>>**

## Brick Series

### ● 6-row Brick



LZ-F101-01



LZ-F901-03



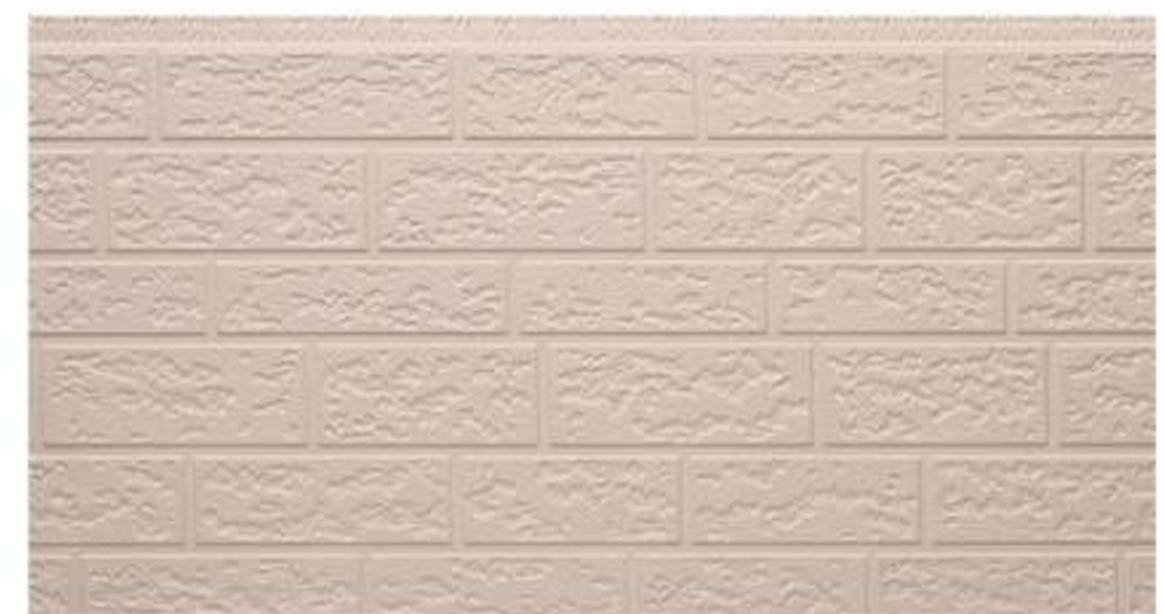
LZ-F701-04



LZ-901



LZ-101



LZ-103



LZ-801



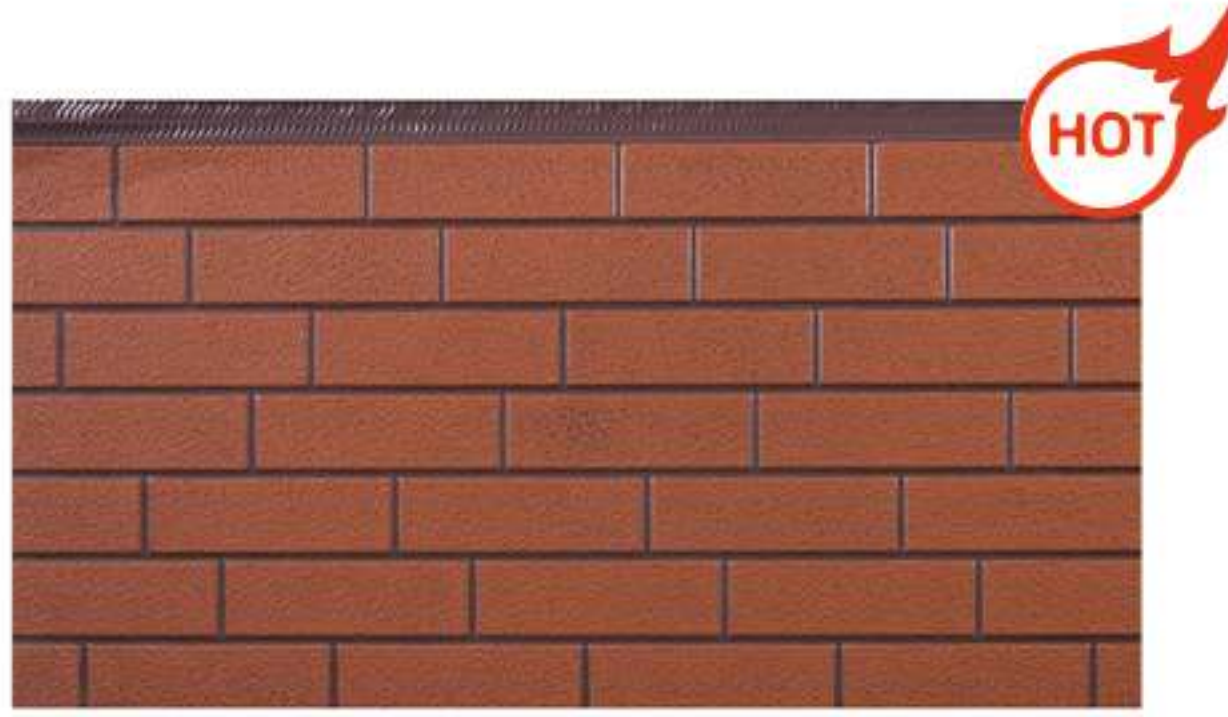
LZ-701



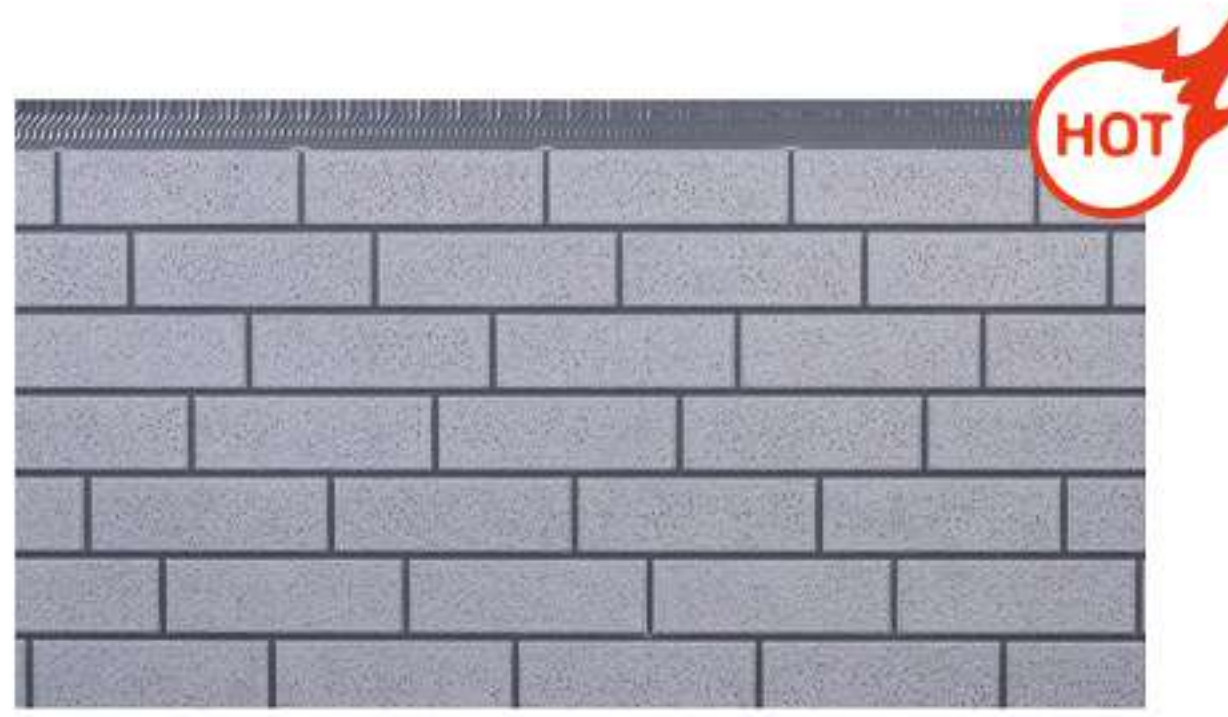
LZ-D010



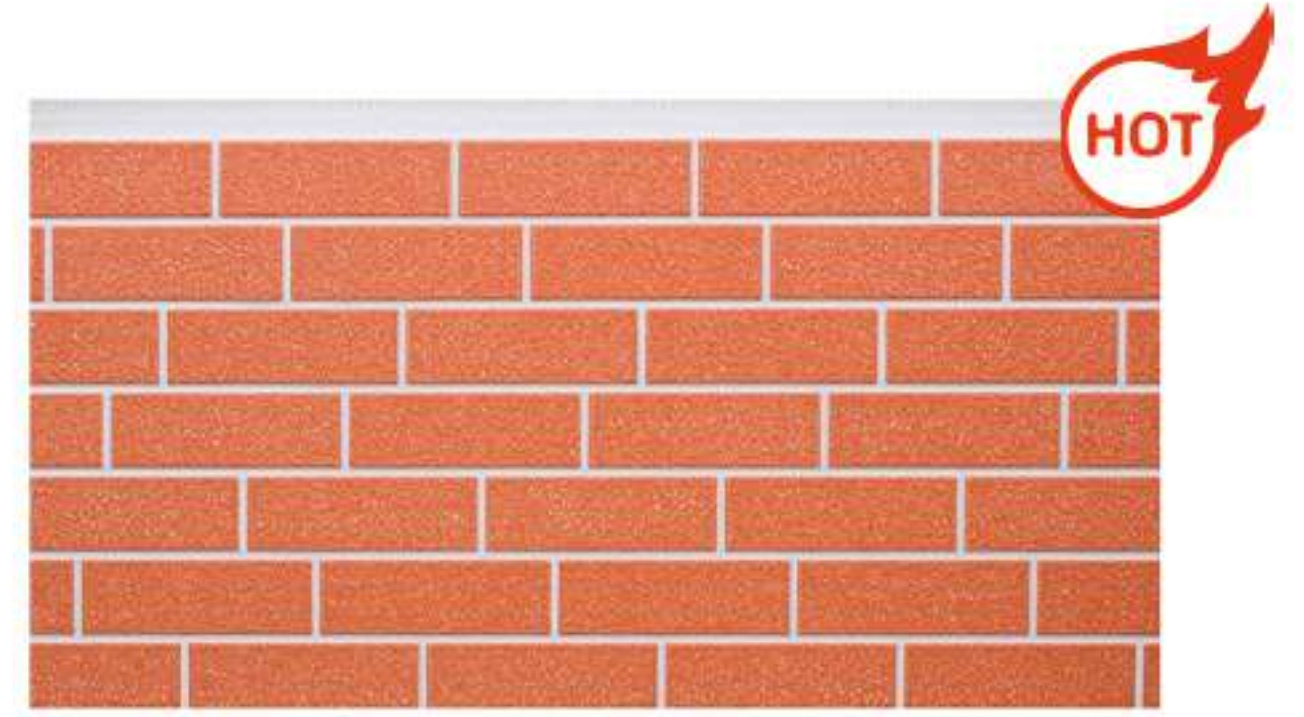
## ● 7-row Brick



QZ-F801-01



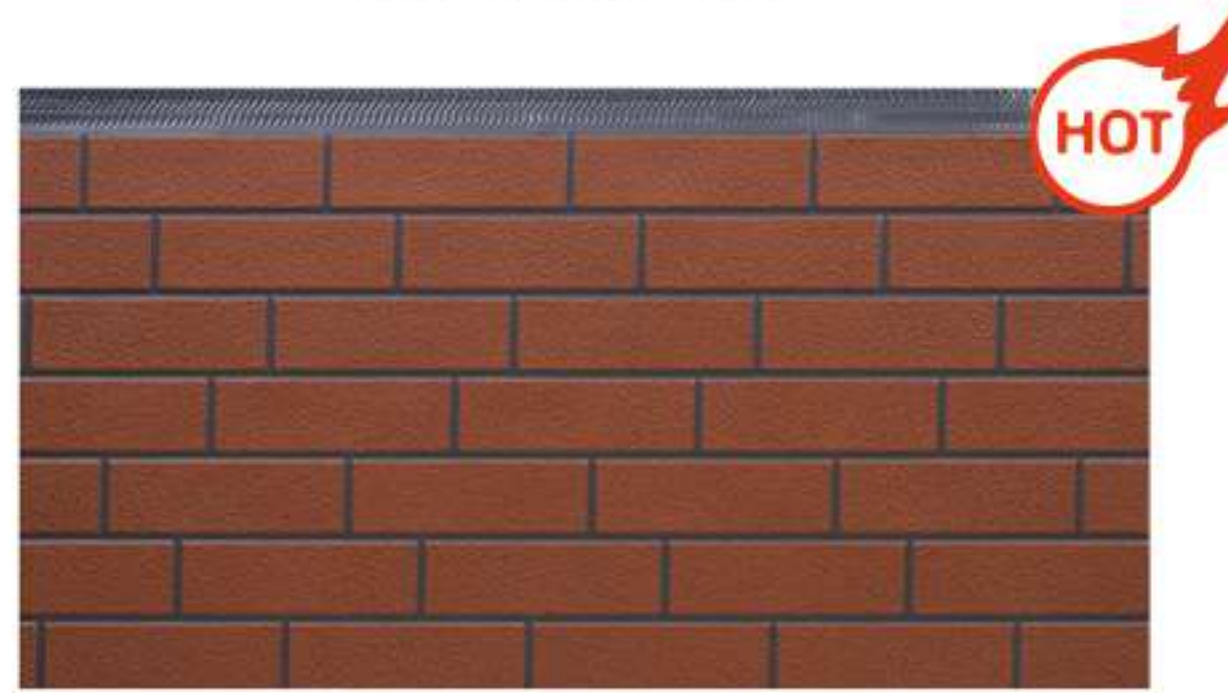
QZ-F701-04



QZ-F901-01



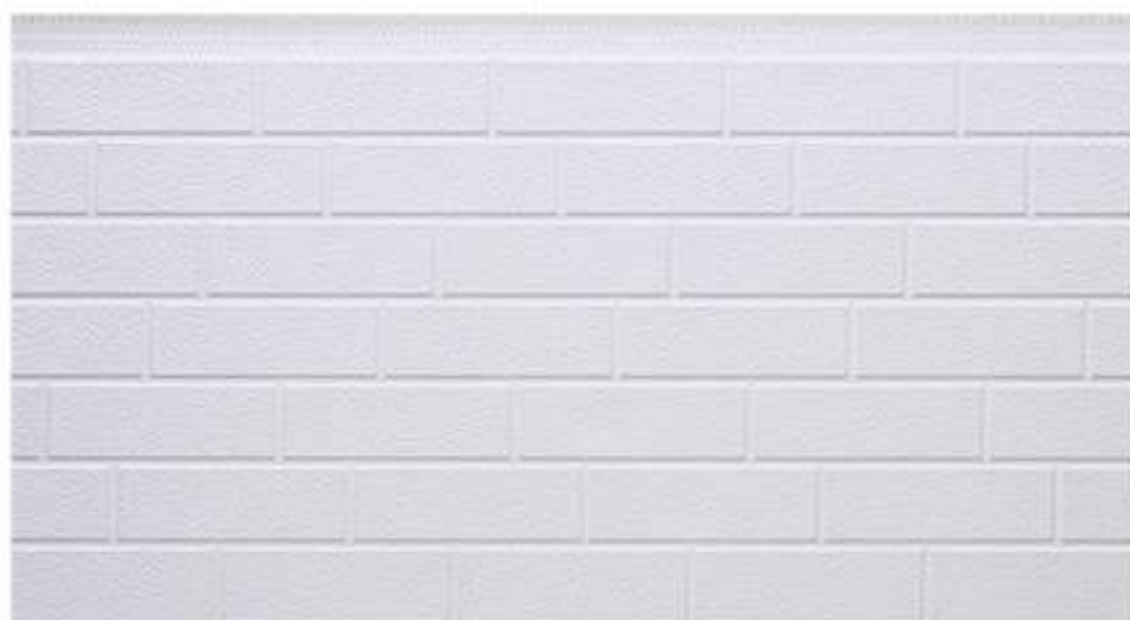
QZ-F801-05



QZ-F701-01



QZ-F901-03



QZ-901



QZ-902



QZ-101



QZ-103



QZ-702



QZ-703



QZ-308

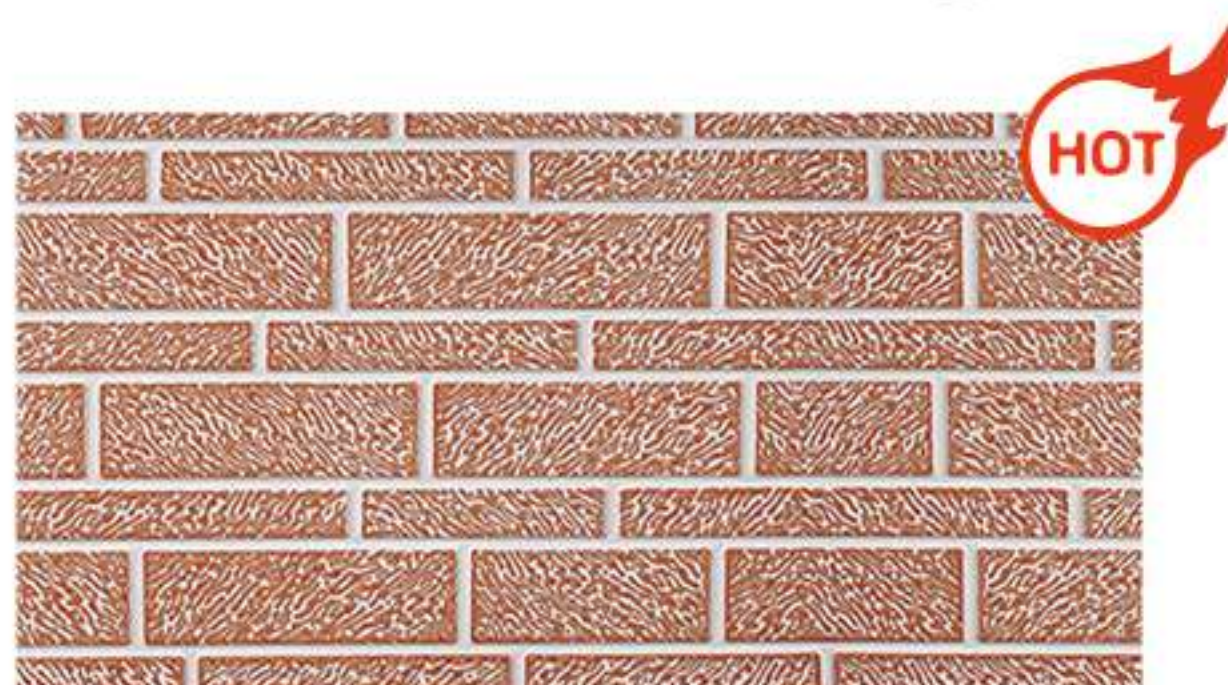


QZ-701



QZ-704

## ● Alternating L/S Brick



DXZ-F901-01

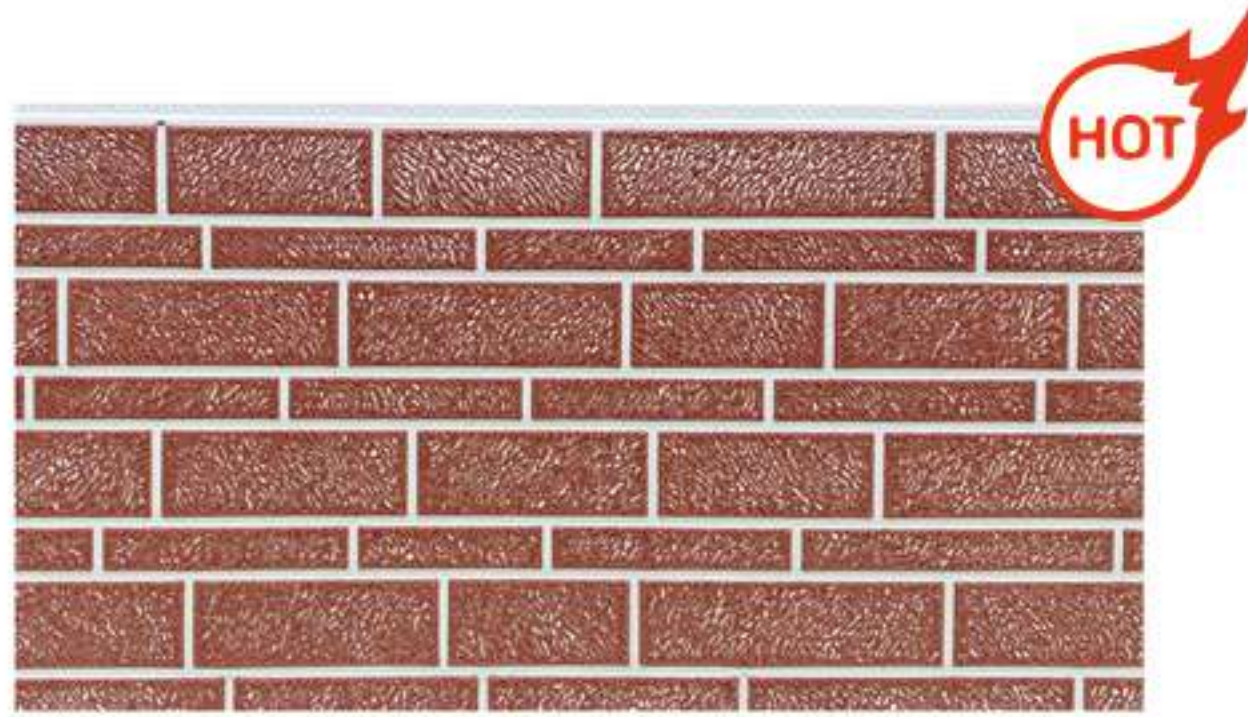


DXZ-F901-03

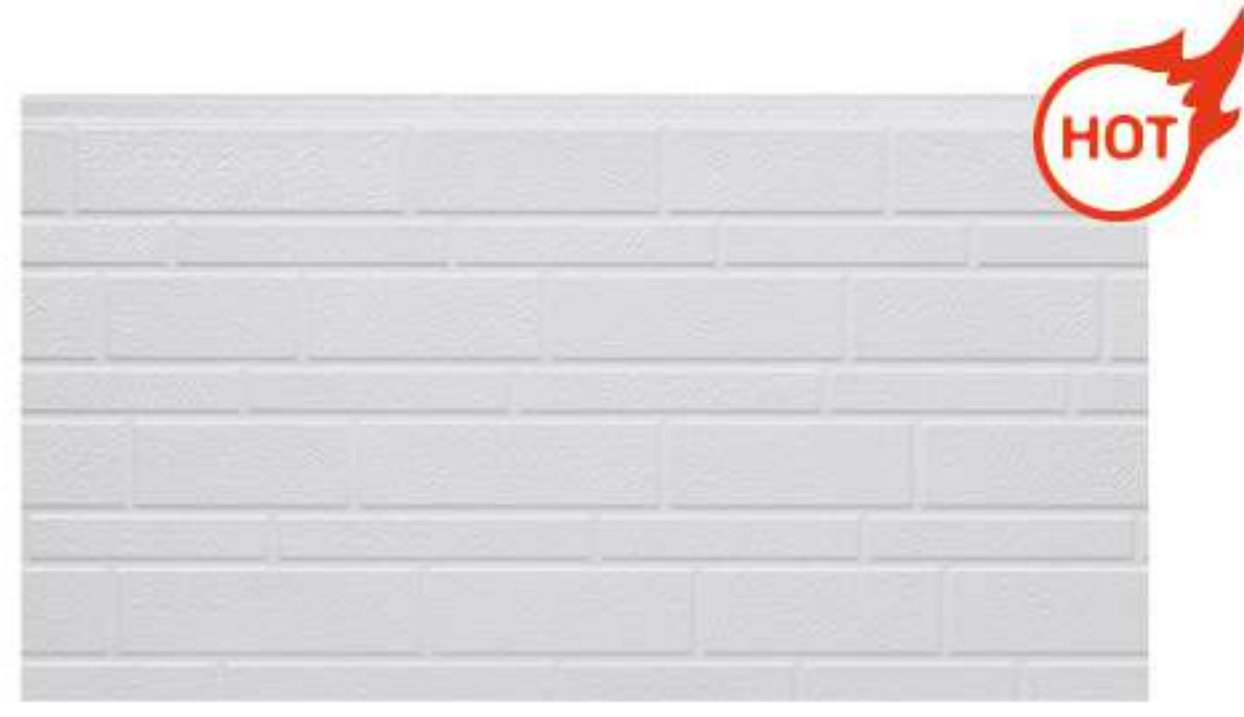


DXZ-F704-04

\*\*\*Colors may vary due to different monitor settings. Please see actual product sample for true color.



DXZ-901-02



DXZ-901



DXZ-102



DXZ-702



DXZ-701



DXZ-704

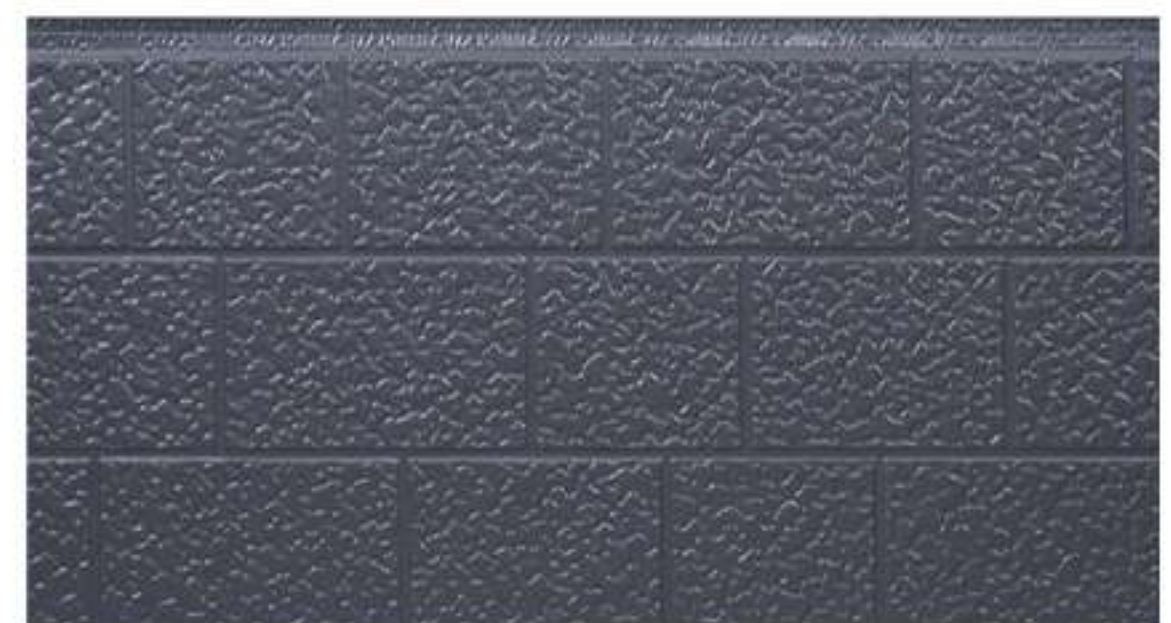
## ● 3-row Brick



DSZ-F901-01



DSZ-801



DSZ-701



DSZ-902



DSZ-D006



DSZ-503

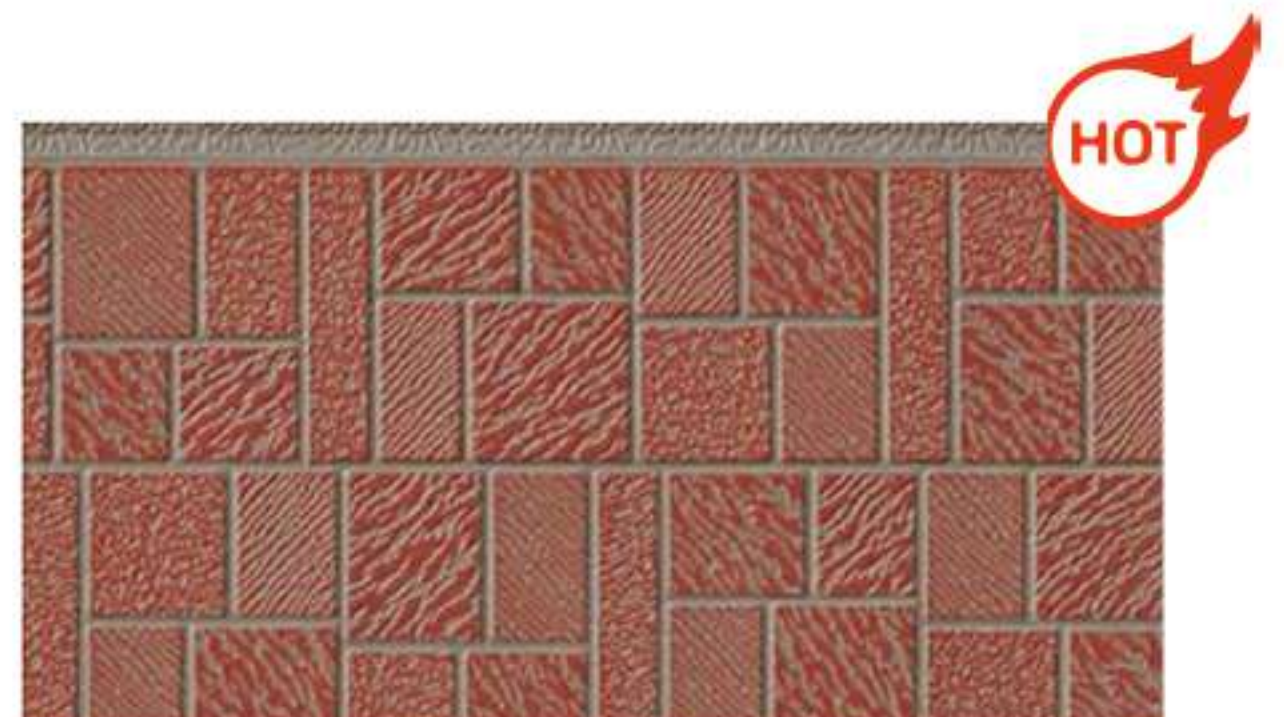
## ● Mosaic Tile



MSK-F801-05



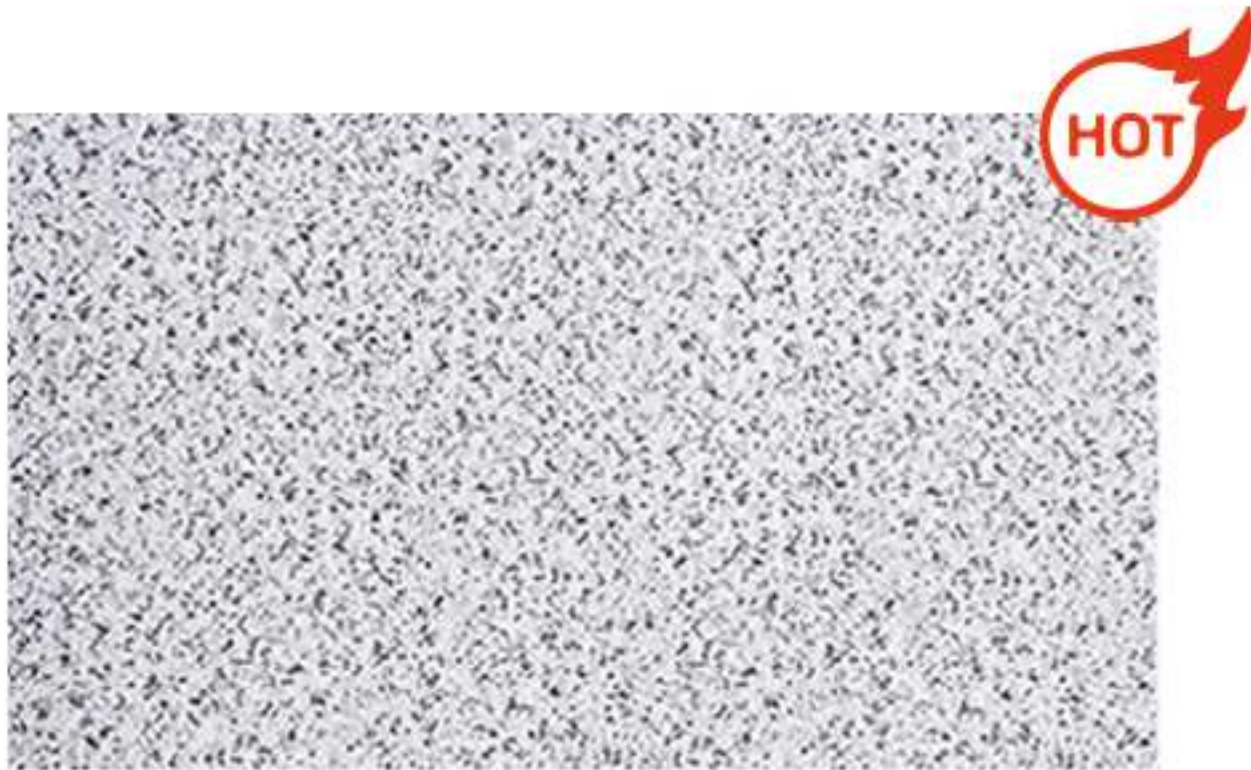
MSK-102



MSK-F702-02



## Marble Series



D006



D001



D005



903



DG-D010



D011

## Masonry Series



D002



D004



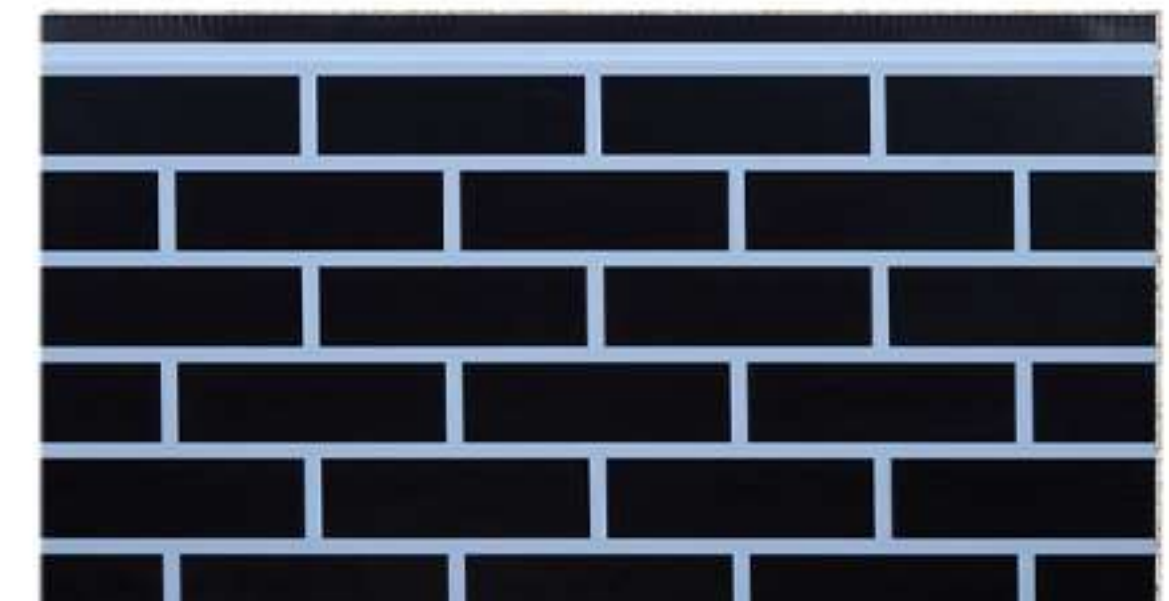
D003



GZ-901



GZ-701



D009



D008

**More Options Available >>>**



# Stucco Series



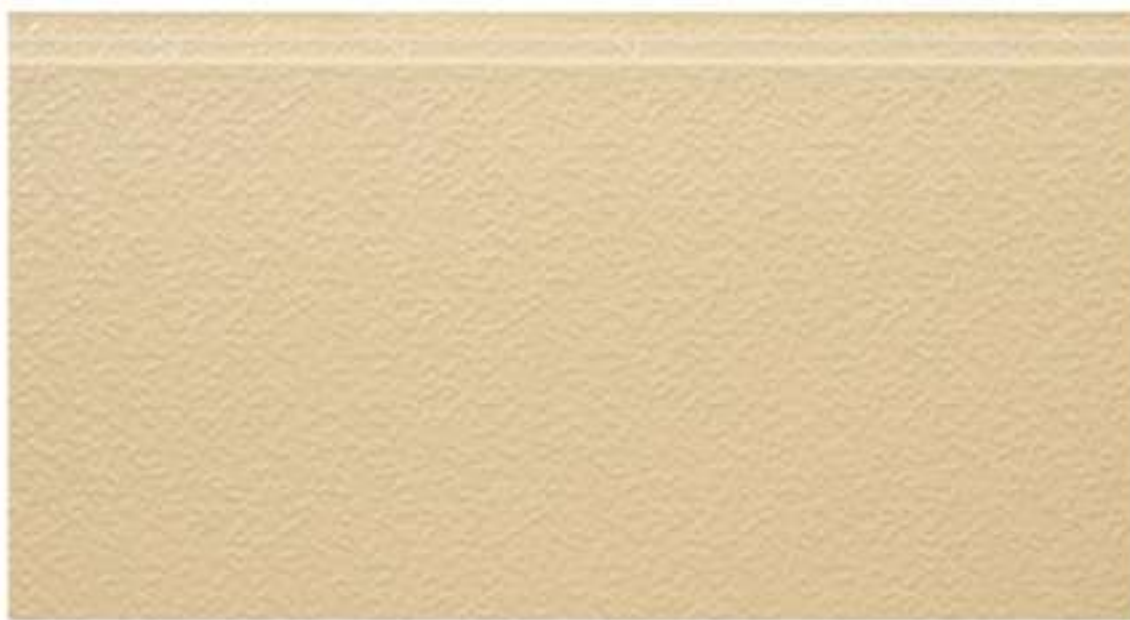
PT-901



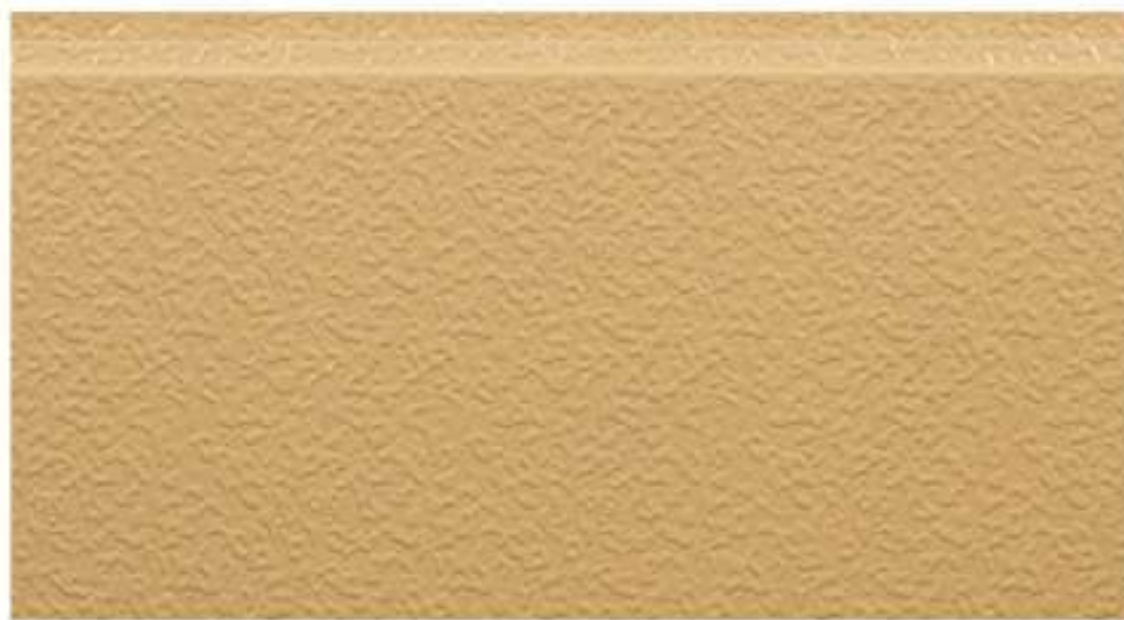
PT-902



PT-501



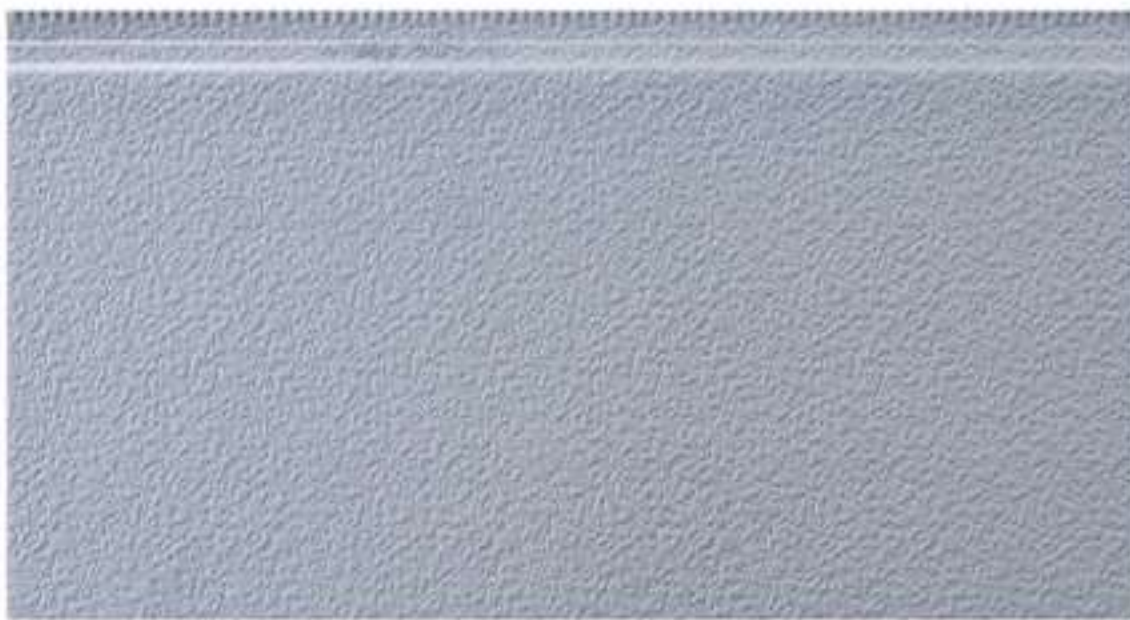
PT-101



PT-102



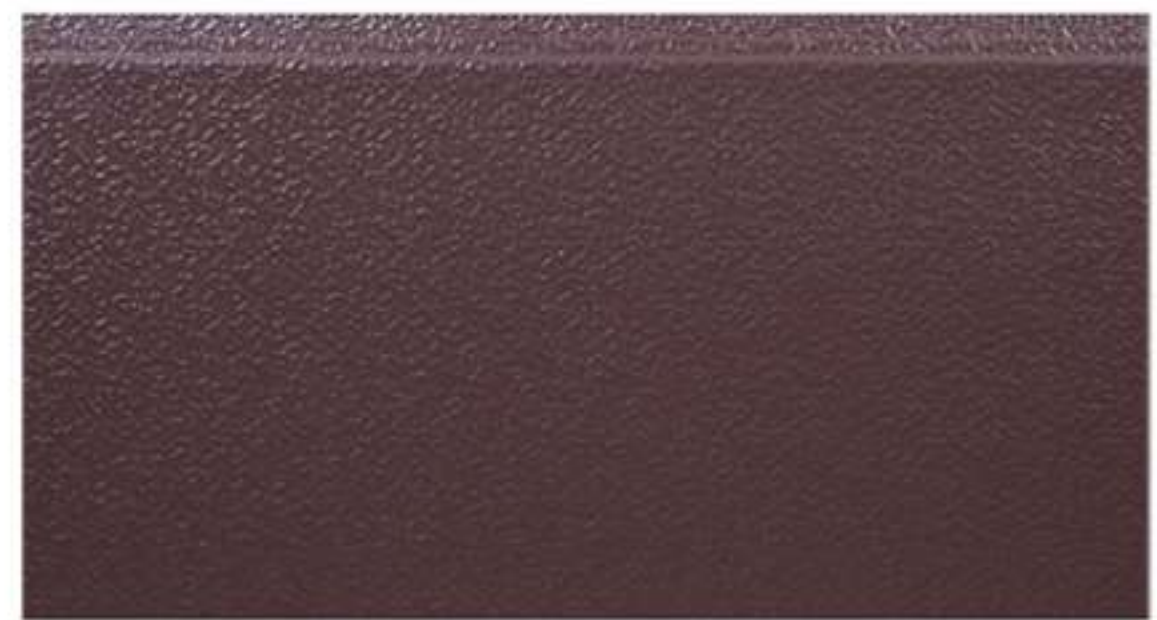
PT-701



PT-702



PT-703

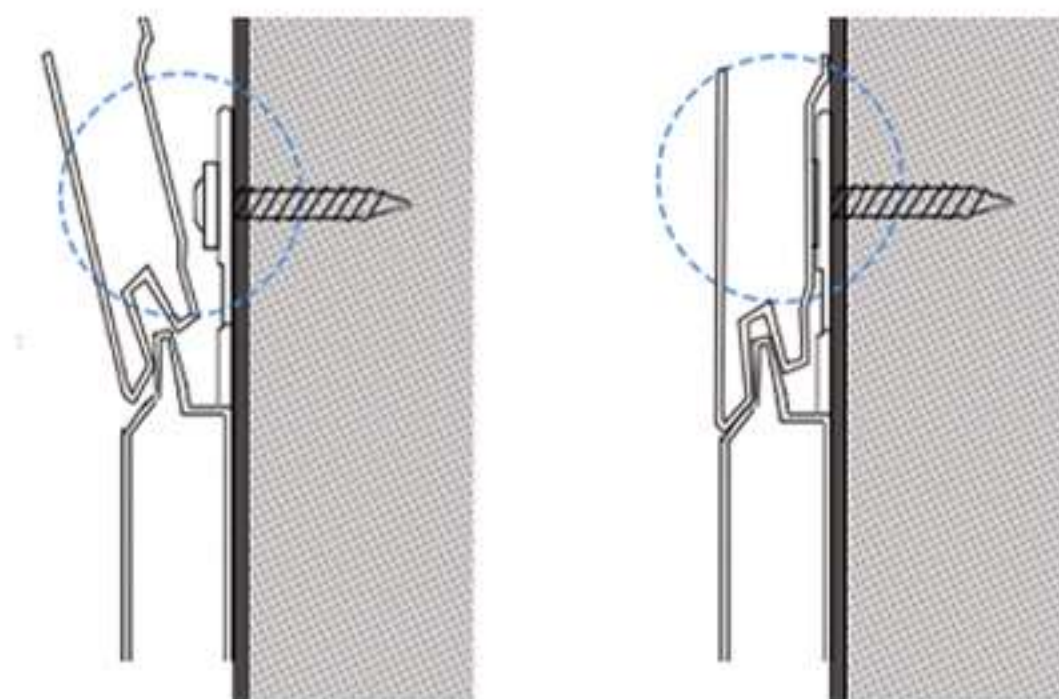
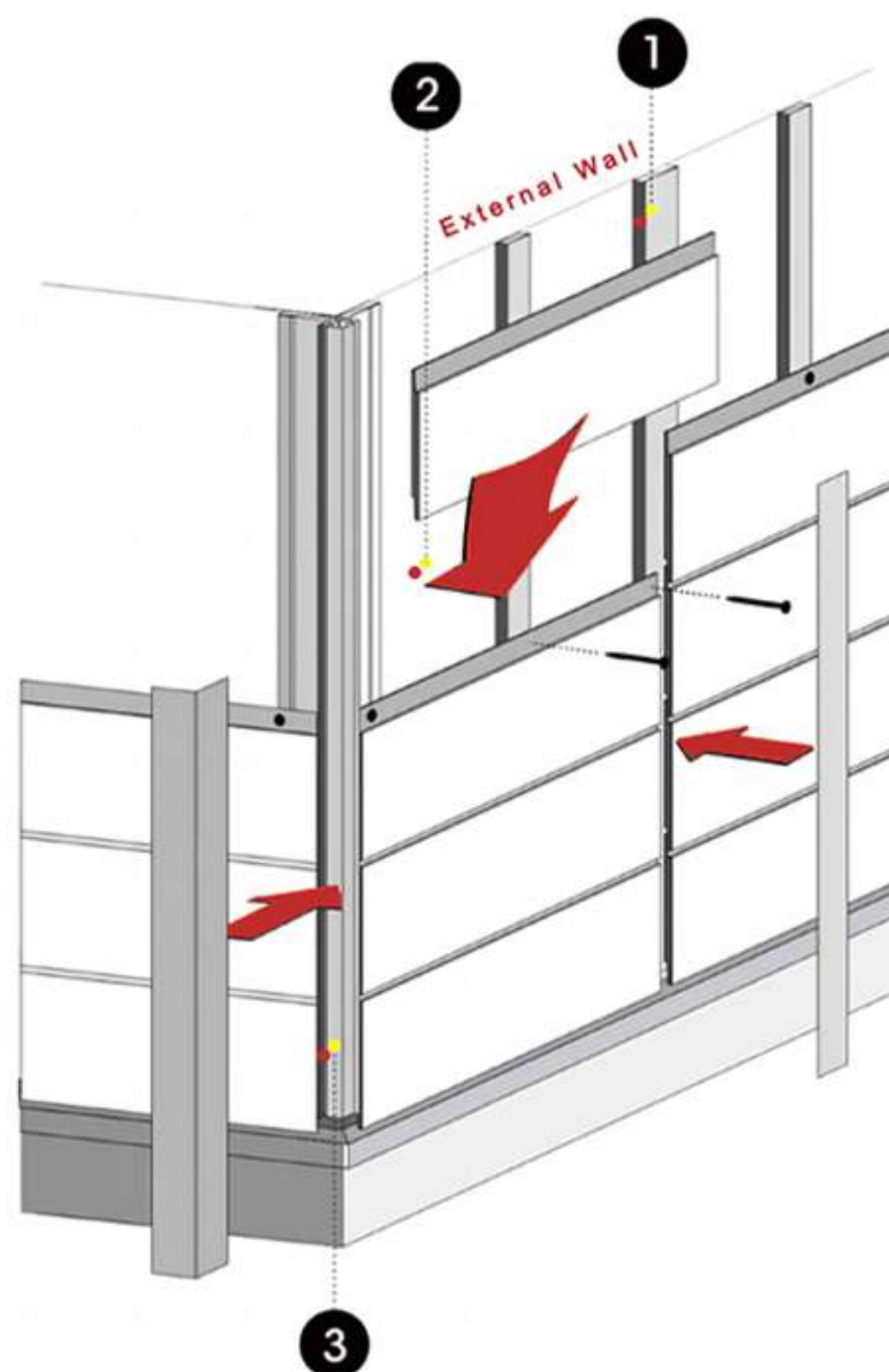


PT-801

\*\*\*Colors may vary due to different monitor settings. Please see actual product sample for true color.

## How to Install

Designed with a tongue-and-groove system, ensuring quick and hassle-free installation for any project.



### Easy to Install

#### 1.Wall Alignment

Have a metal or wooden structure in place and start installing from below.

#### 2.Attaching the Panels

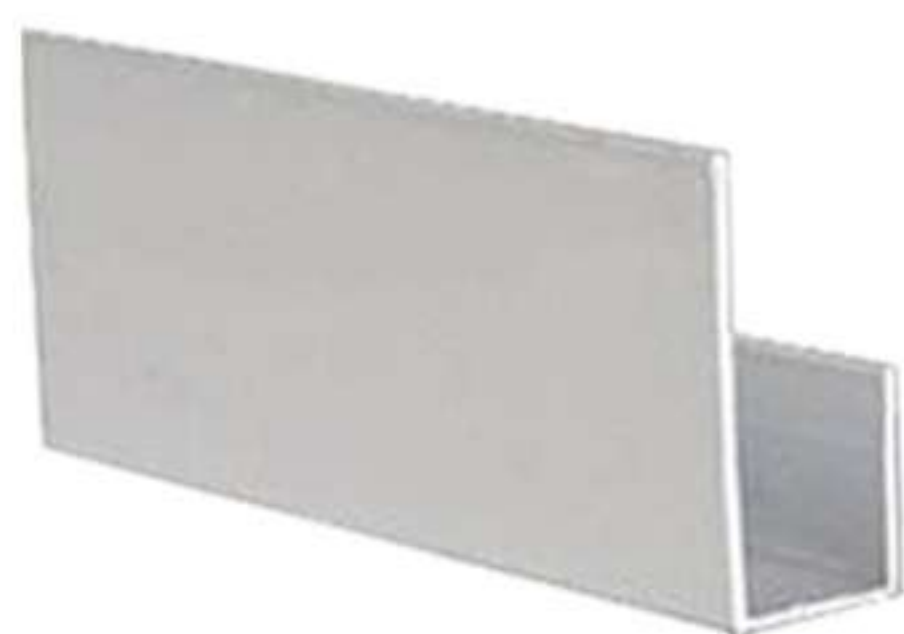
Secure to the surface structure approximately every 50 cm with screws.

#### 3.Connection of Panels

Join the BFT panels lengthwise using the original corner and connection profiles.

# Metal Siding Trim & Accessories

## Aluminium Profile Accessories



**Starter Trim**  
Model: LHJPJ01



**H Joint Profile**  
Model: LHJPJ05



**Window & Door Flashing**  
Model: LHJPJ03



**External Corner Trim**  
Model: LHJPJ06



**Internal Corner Trim**  
Model: LHJPJ07&08



**End Trim**  
Model: LHJPJ02

## Color-Coated Steel Accessories





Self Drilling Screws



Construction Screws



Air Nailer

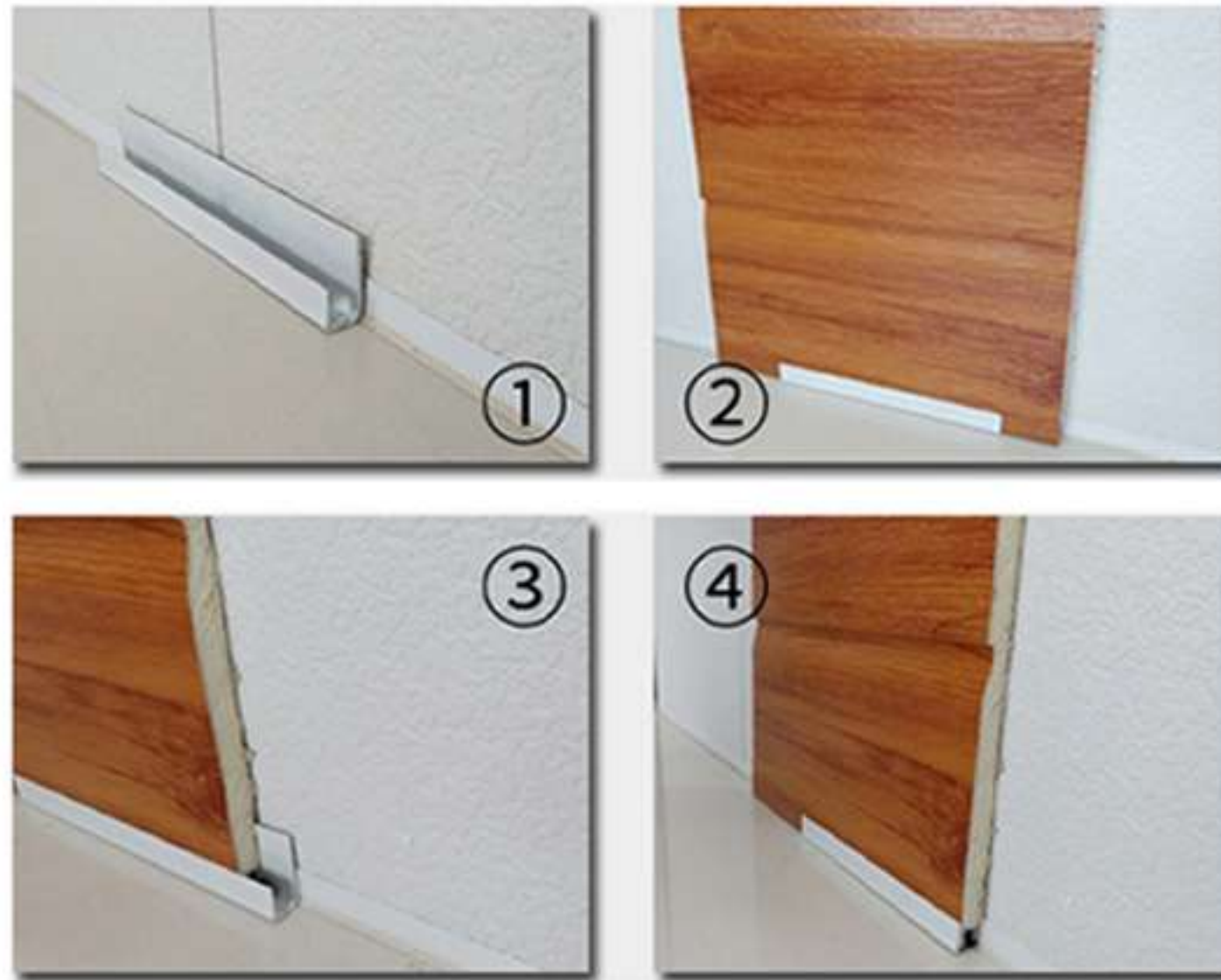


Asphalt Shingles

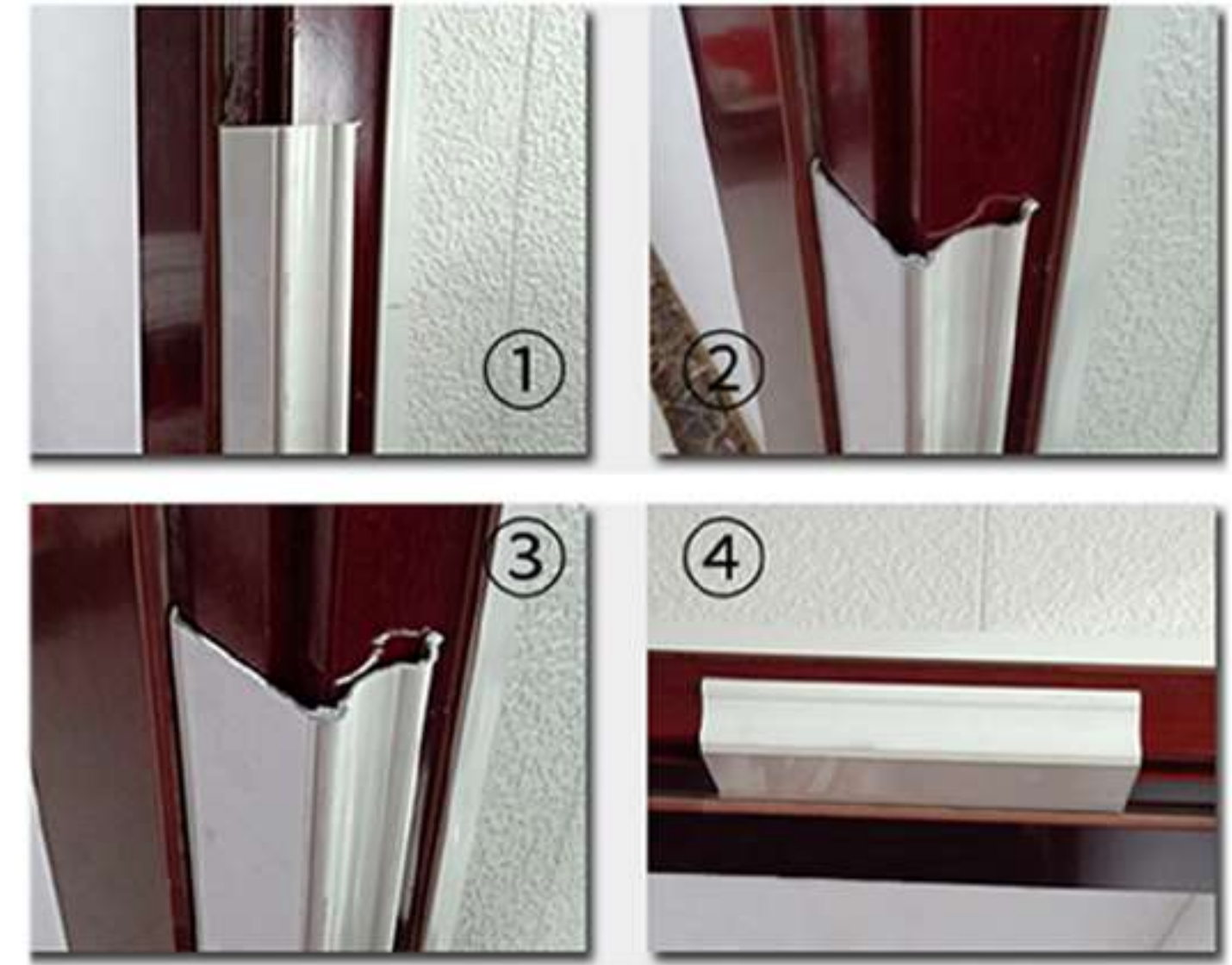
## Accessories Installation Guide



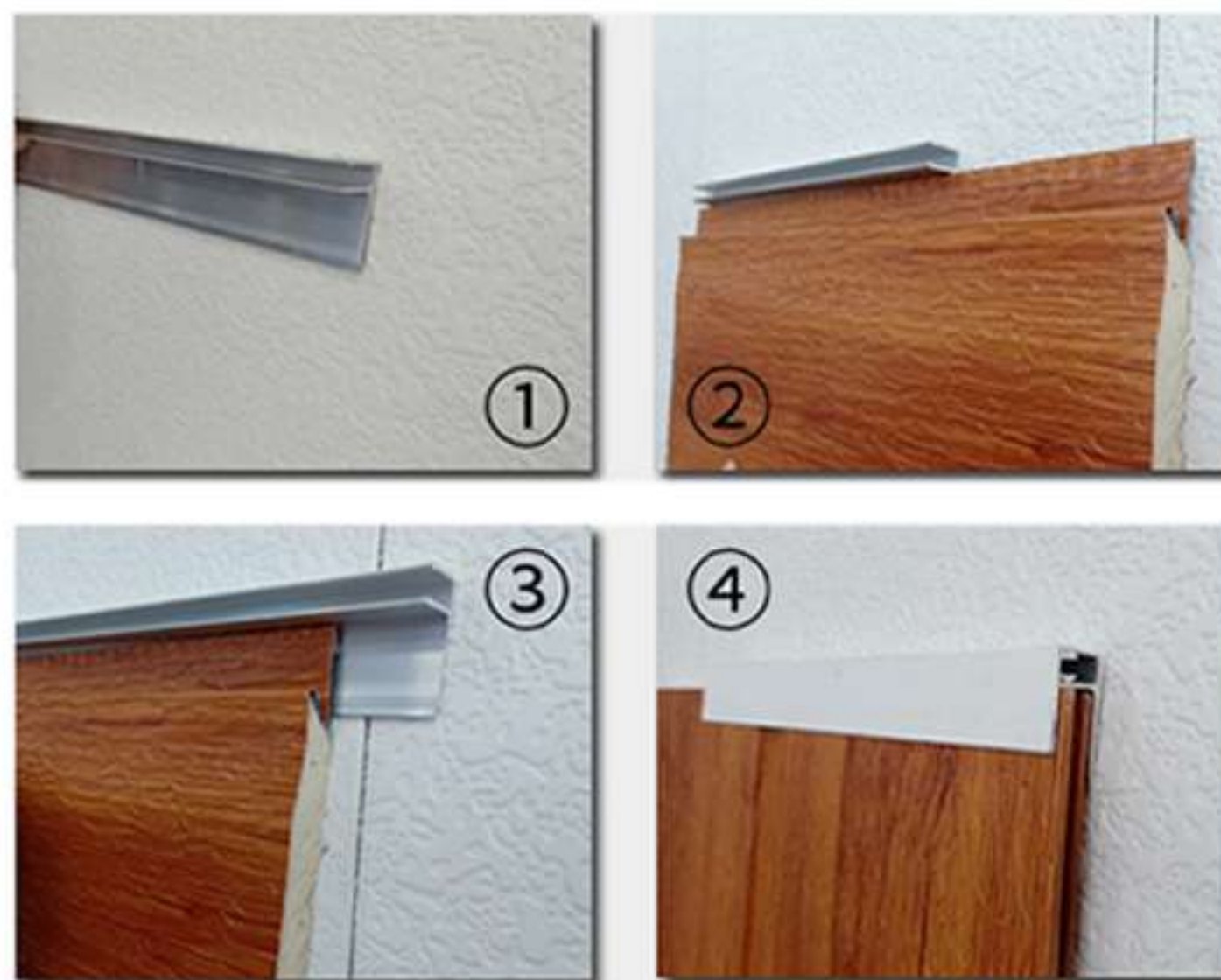
Starter Trim



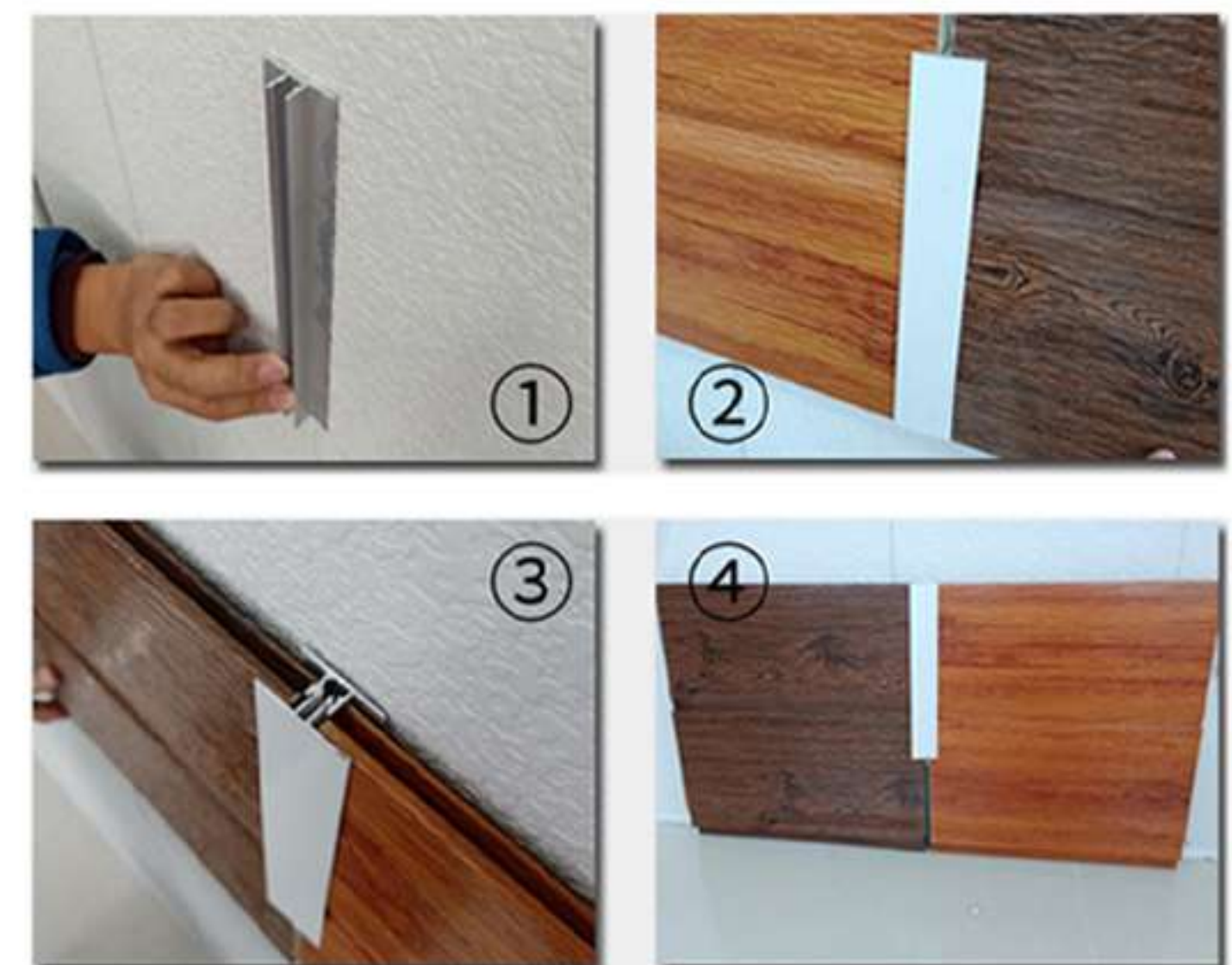
Window & Door Flashing



End Cap Trim



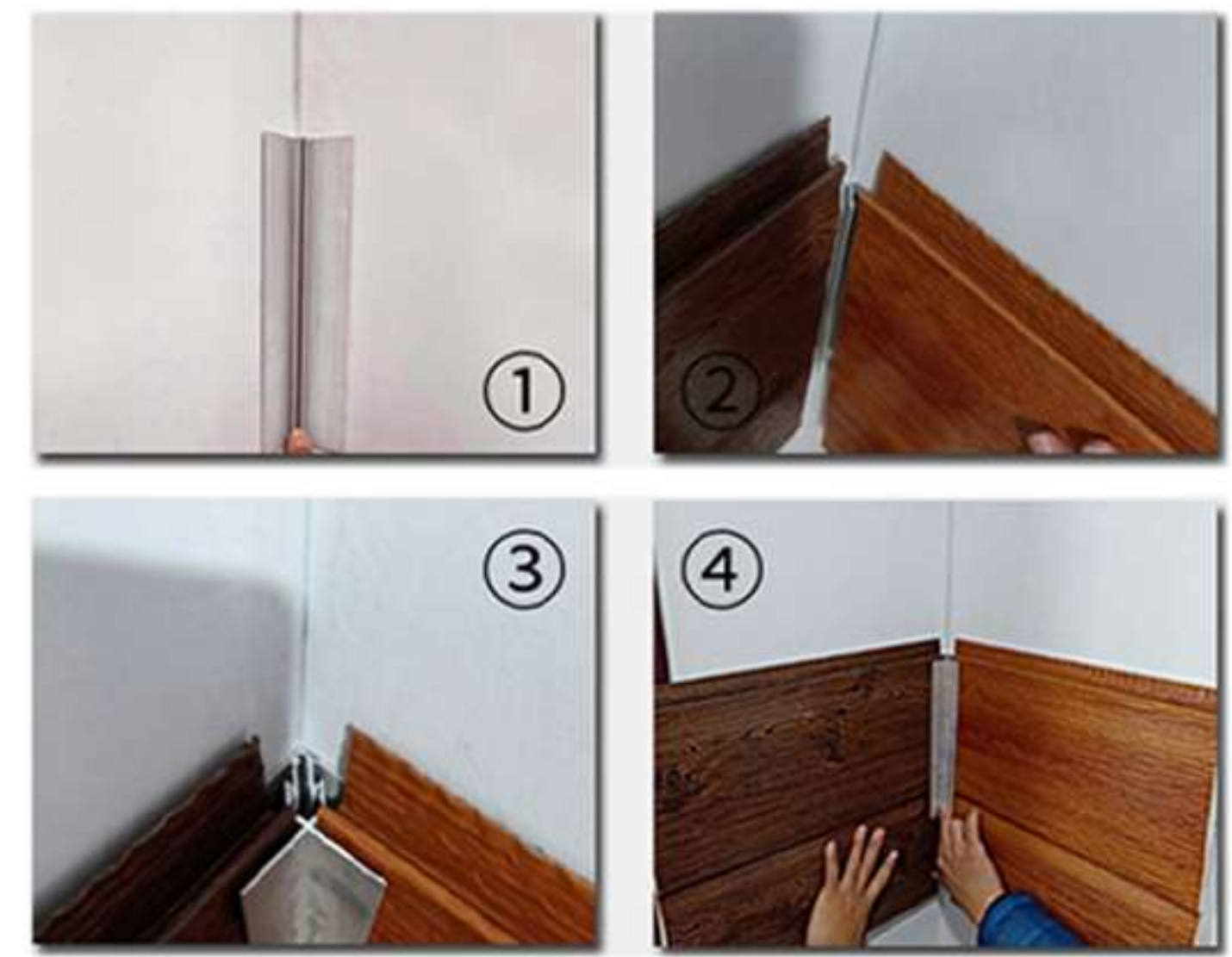
H Joint Profile



External Corner Trim



Internal Corner Trim



# Applications



DG-A001



901



DXZ-701



DXZ-103



DXZ-F701-04



DL-901



DL-701



CCB-901



DS-701



SS-901



SS-701



SS-901



DG-A006



## ***Shandong Perfect Building Material Co., Ltd.***



[www.bftpanel.com](http://www.bftpanel.com) /  
[www.perfectmoc.com](http://www.perfectmoc.com)



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