# 2HOMI

Unfired Flexi Clay

# Flooring & Cladding Modified Ceramic



# Changing the city

Unfred Flexi Clay is committed to the construction of a low carbon city



Gare for earth & planet Living in harmony and nature Classic traditional material our well being, our concern



# **Modified Clay Materials**



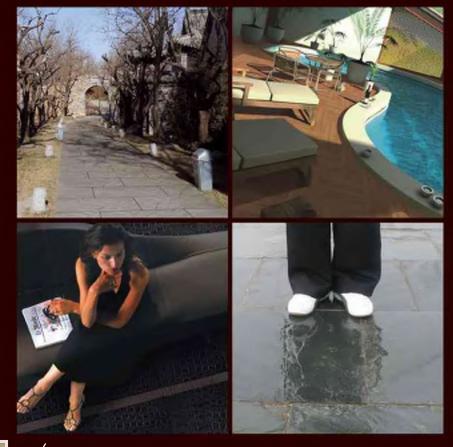
Modified clay material is a technological innovation, that the base materials clay being constituted without high temperature heating process. Modified clay product is versatile that it can be as like soft plastic or reasonably hard. The colour tones are naturally derived from virgin clay without any use of colour pigments. Modified clay material can be shaped either in roll, piece, board and panel forms by using unfired manufacturing system and process. Yet, the natural characteristics of the virgin clay remains, giving benefits of fire retardant, breathability, nontoxin, durability and recycability.

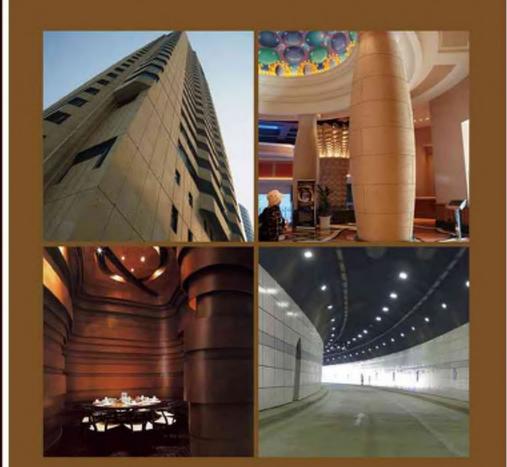
Modified clay materials, launched since 2008, has various unfired clay products for interior and exterior decoration including both flooring and cladding applications as well as furniture laminates. However, there is no limit in exploiting the diversity of creation made with modified clay.

Indeed, modified clay material is a substitution of traditional road pavement using stone aggregates, asphalt or concrete, or even in track field or gym flooring. Hence, the products are diversified in shape as boards, sectional materials, engraving form and leather texture, which widely used in furniture, construction and automobile industries. The market opportunities are immense and rewarding being a uniquely green product that we all preach and embrace as a new market trend nowadays.

# Unfired Clay Flooring

Abrasion proof, antiskid and comfortable





# Unfired Clay Cladding

Safe, durable and breatheable, suitable for high-rises, irregular space and old building renovation

# $\sim$ **2.5mm**

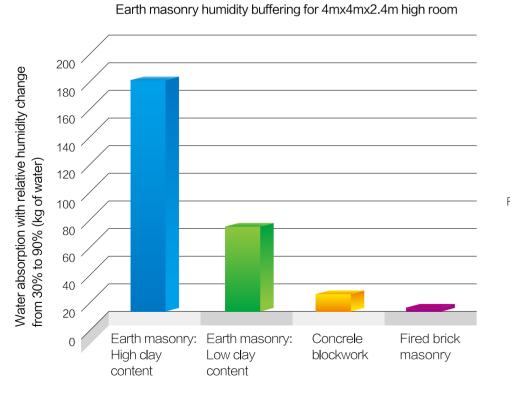
Can be thin as wall paper, or thick as pier.

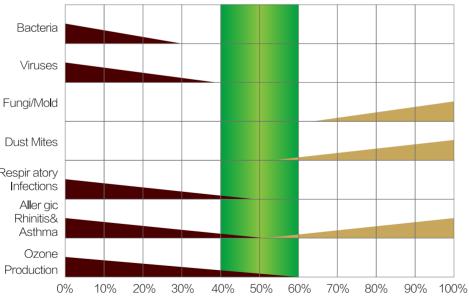
# Breathable,

#### Moisture Regulating Building Material

Unfired Clay is made from a blend of unfired clay and sands. The most attractive are their functional properties, principally, that of breathability and known abilities to regulate relative humidity (RH). Next to air tightness and embodied energy, breathability is possibly the most critical consideration in building design. Unfired Clay can absorb and desorbs indoor humidity faster than any other building material (Minke, G. 2006).

Phomi Flexi Clay regulate relative interior humidity between 40% and 70%. (Arundel, A. V. 1986) By keeping RH between 40% and 70% research has shown that the likelihood for airborne infectious bacteria and virus to survive is the lowest.





Optimum Zone

Working buildings can only be brought about by designing with a full understanding of breathability. (May, Neil April 2005).



#### **Temperature Control**

Clay evens out temperature fluctuation by time-delayed releasing of absorbed solar energy thus providing a stable and comfortable internal temperature



#### **Moisture Control**

Clay has the great ability to absorb and release moisture from the indoor air thus stabilizing humidity inside rooms to prevent mould and providing a healthy living environment



#### **Detoxifying Effect**

Clay are completely breathable and have the ability to absorbs toxins and ordours from indoor air



#### Fire Retartant

Clay is non-combustible providing a lower fire risk factor for the building



#### Energy-saving

With same unit area, modified clay materials can save up to 90% of energy consumption during transportation, installation and maintaining, including oil consumption, machine wear and tools wear.



**Safe** Reliable adhesion strength with light weight, especially suitable for high-rises



#### Reduce waste

Elastic thickness of modified clay materials can be applied directly onto the former layers while no affecting base level. Unlike traditional building materials, this renovation cuts off waste source.











#### Thin $\neq$ Non-durable







# Unfired Flexi Clay MCCN STONE

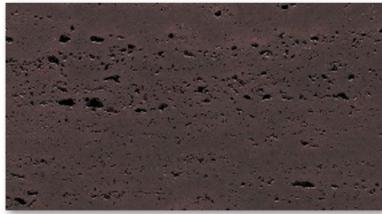
MCM Stone presents the original surface of natural stone, without destroying natural stone mine. Not limited to the following colors





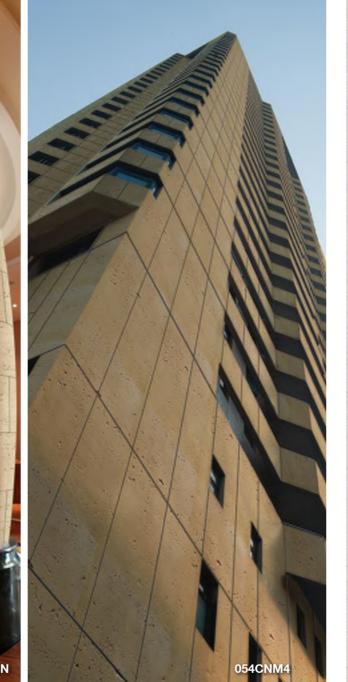


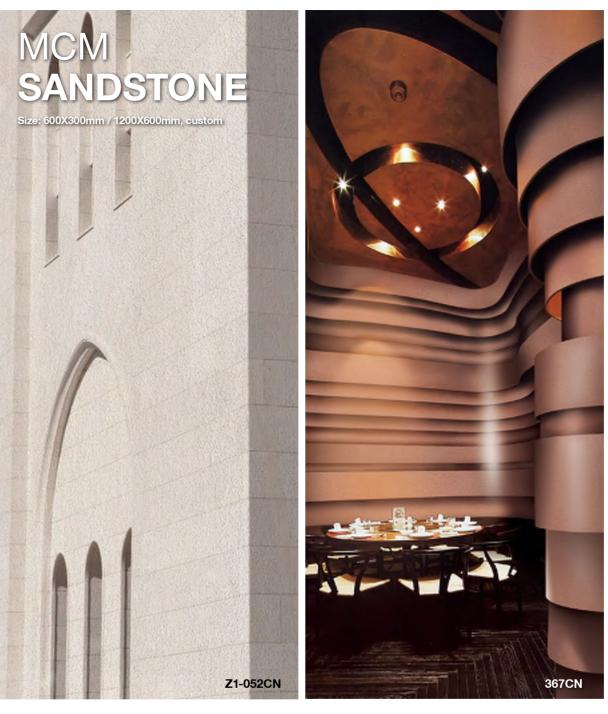
052CN



TRAVERTINE ize: 600X300mm / 1200X600mm, custom 056CN

MCM









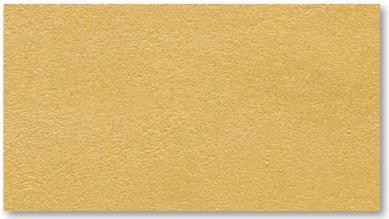
221CN

Maximum size: 2440x1220mm

1200x300			
1200x150			
600x200	600x150		
coocoo	600x300		
800X800	300x300		
	1200x150		

600x6

Not limited to the following colors



Z2-056C



Z1-052C



367CN



056CN

Maximum size: 1200x600mm

					400x300	400x150	
	600x300		- 600x400				
x600	300x300			600x400		400x150	

7HOMI

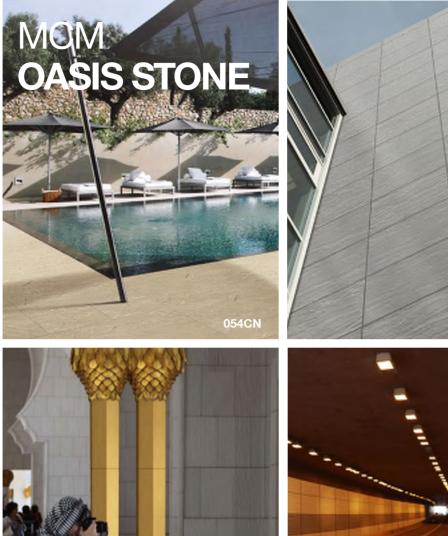
Not limited to the following colors





030CN





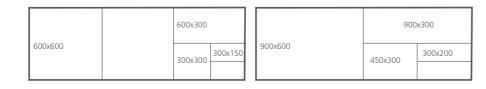
052CN Z2-056C



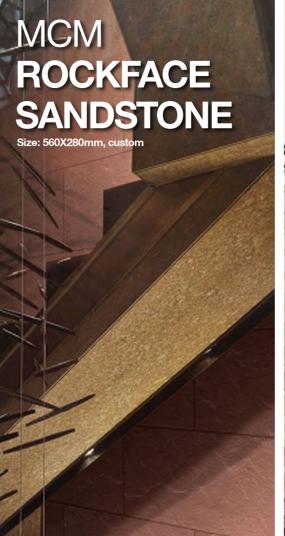
221CN



Maximum size: 1800x600mm



16 MCMTECH Modified City Materials







367CN

Not limited to the following colors



221CN



206CN



367CN





203CN



209CN











052CN



221CN



315CN 18 **MCM TECH** Modified Clay Materials



031CN



Z1-052C (Pearl white)

Maximum size:1200x590mm

coo 500	600x295
600x590	600x98







052CN 038CN







Not limited to the following colors



052CN





058CN



038CN

Maximum size:1150x575mm

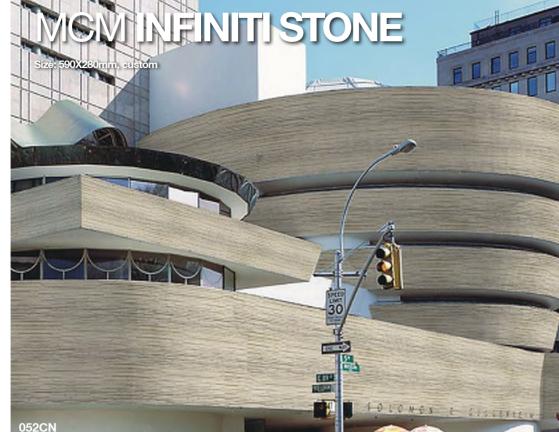
	560x280	560x190	280x280	
560x560	560x90			

2HOMI Not limited to the following colors





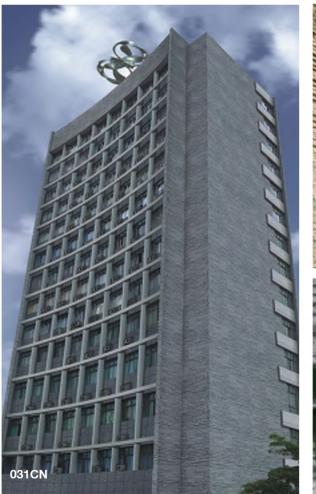














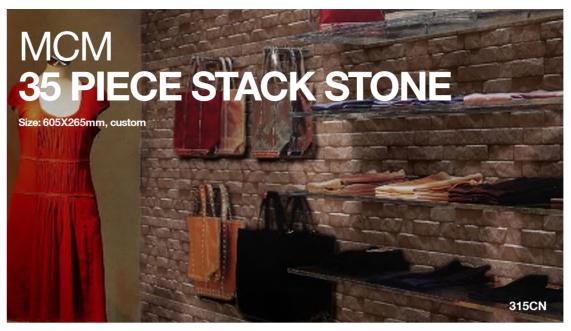
















#### Not limited to the following colors



052CN



031CN



315CN



Not limited to the following colors



052CN



025CN

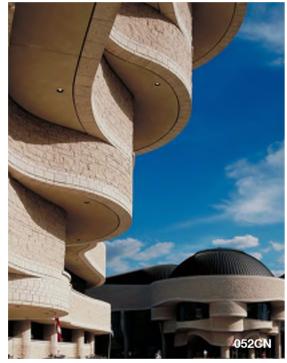


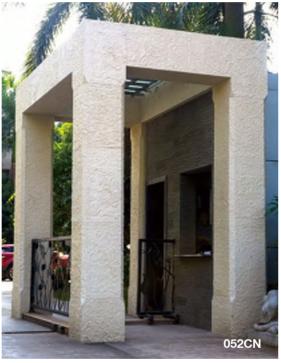
221CN

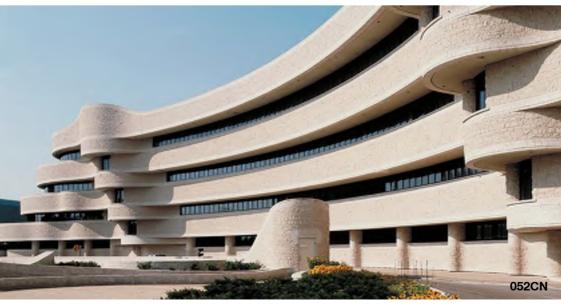


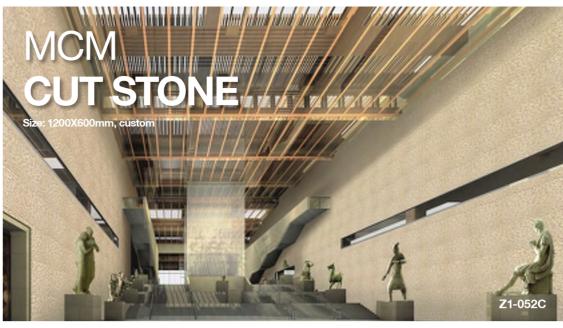
326CN







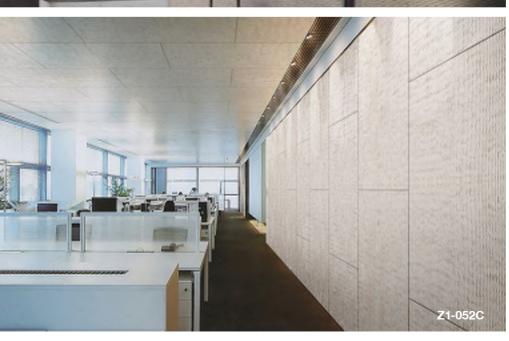










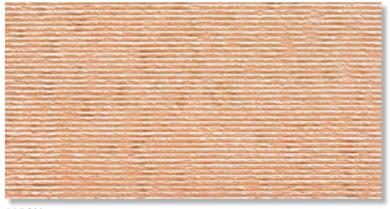


#### Not limited to the following colors

#### 052CN



#### 054CN



#### 085CN

052CN



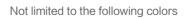
#### MCM CROSSARD MUSHROOM STONE

#### Size: 600X300mm, custom

Not limited to the following colors

#### MCM DEVINE MUSHROOM STONE

Size: 800X400mm, custom







025CN

054CN



031CN



328CN







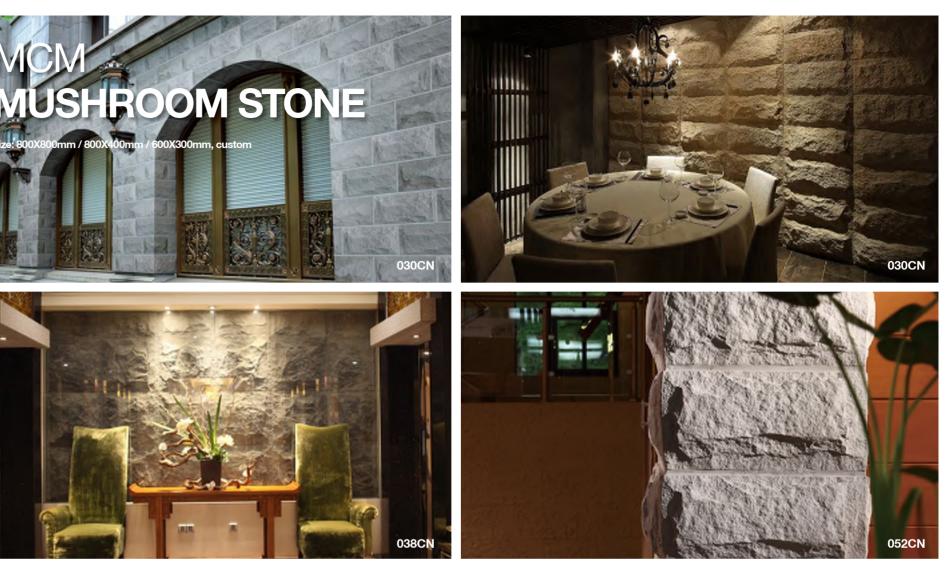
043CN







052CN



\*Size: 2000 × 1000mm, customizable large dimension Not limited to the following colors



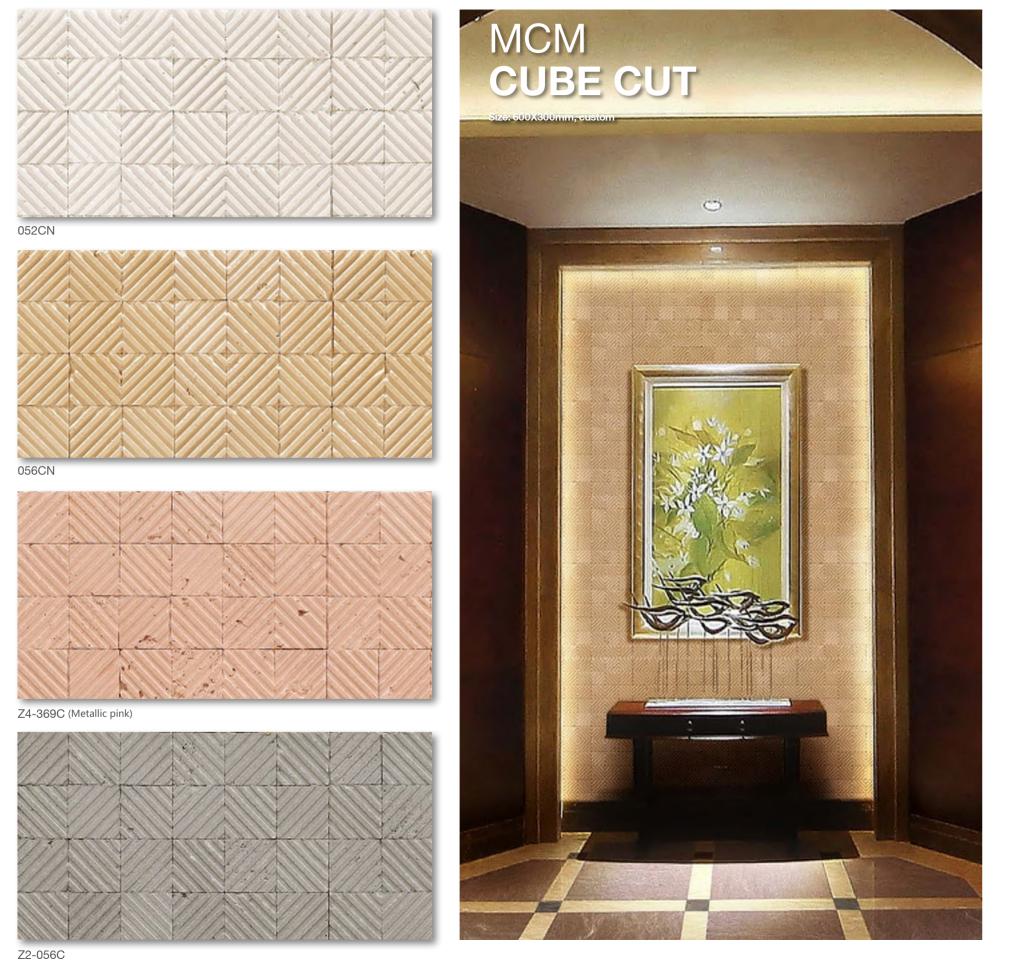


043CN



26 MCM TECH Modified City Materials

Not limited to the following colors







Not limited to the following colors





Z1-052C (Pearl white)



Z3-030C (Metallic gray)



Z2-056C (Flash gold)

## MCM STRIPED STONE





GREY /BLACK STRIPED STONE











031CN











052CN



Z6-369C (Metallic pink)



Z3-030C (Metallic gray)

#### MCM TUMBLED STONE Size: 565X565mm, custom





203CN



209CN



038CN

#### MCM 72-PIECE CUBE STONE Size: 506X506mm, custom



Z1-052C (Pearl white)



Z6-369C (Metallic orange)



Z2-056C (Flash gold)



052CN

# Amfined Plexi Clay NCRIEATHER

We do not kill for luxury.



315CN

052CN

221CN

#### MCM FINE LEATHER

#### MCM COARSE LEATHER

Maximum size: 3000x1200mm

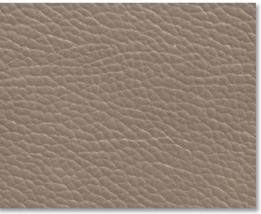




054CN



328CN







Not limited to the following colors



152CN



#### MCM ELEPHAS Size: 3000x1200mm, custom



025CN



221CN



228CN





209CN

## MCM PELLE Size: 3000x1200mm, custom





203CN



206CN





206CN



Not limited to the following colors











050CN 203CN

32 (MCMTECH Modified Clay Materials





Not limited to the following colors



030CN



043CN



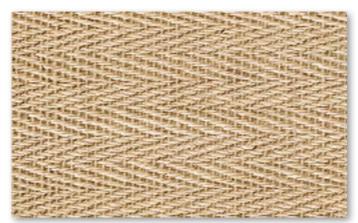
031CN



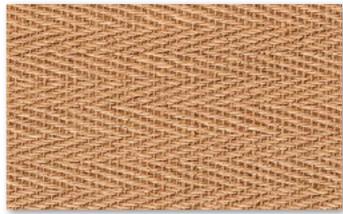


#### MCM W WEAVING

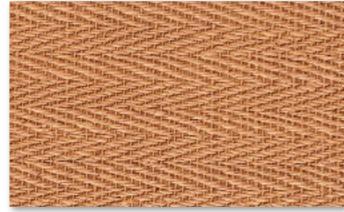
Maximum size: 3000x1200mm



056CN

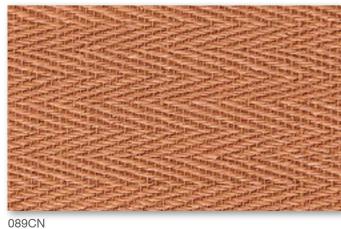


085CN



087CN

34 (MCM TECH Medified Clay Materials



#### MCM 36 LINE LEATHER

Maximum size: 3000x1200mm



053CN



369CN









366CN

Not limited to the following colors

# MCM/MOOD

lexi Clay

We make wood from soil, not by hewing down

trees.

Not limited to the following colors



315-328C













056-054C







206-203C















Not limited to the following colors



315-312C







2HOMI Not limited to the following colors





058-059C



089-087CM1



086CNM



089-087CM3



206-203C



052-054C



210-025C

38 MCM TECH Modified Clay Materials







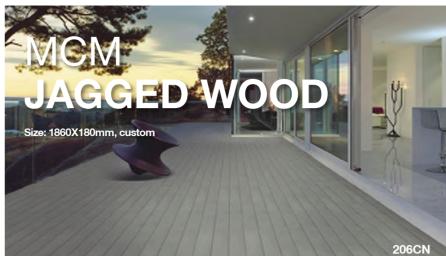
#### Maximum size: 2420x1220mm

2420x300	
1210x300	
2420x200	
1210x200	
800x200	











#### Not limited to the following colors



206CN



056CN



058CN



# Unfired Flexi Clay MCM PK BRICK

MCM Facing Brick has the same unique texture as kiln-fired brick, however, flexible and thin.

### **A SERIES FACING BRICK**

Size: 240x60mm, custom Applicable area : Interior and exterior wall Not limited to the following colors

0580

085C

089C

2030

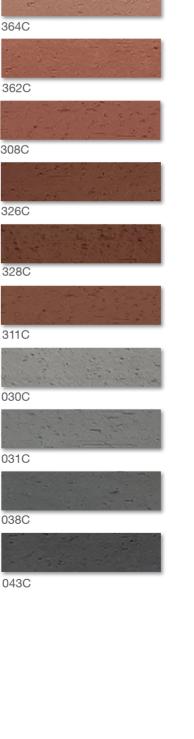
206C

0250

221C

231C





Size: 600x115mm, custom Applicable area : Interior and exterior wall Not limited to the following colors



087C



089C



326C



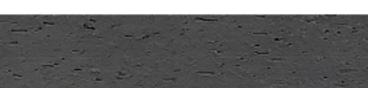


#### 221C







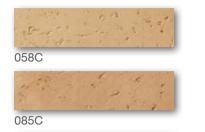


043C

7HOMI

#### G**SERIES FACING** BRICK

Size: 230x58mm, custom Applicable area : Interior and exterior wall Not limited to the following colors



















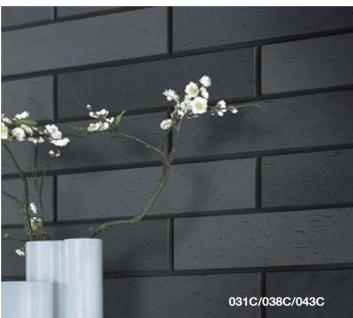


















025C



228C



030C



043C



031C





### K SERIES FACING BRICK

369C

364C

362C

Size: 230x60mm, custom Applicable area : Interior and exterior wall Not limited to the following colors













308C



326C



#### **SERIES FACING BRICK**

Size: 253x40mm, custom Applicable area : Interior and exterior wall Not limited to the following colors









369C





328C







# R SERIES FACING BRICK Size: 220x65mm, custom Applicable area : Interior and exterior wall

Not limited to the following colors





025C



221C



231C



#### 369C



366C



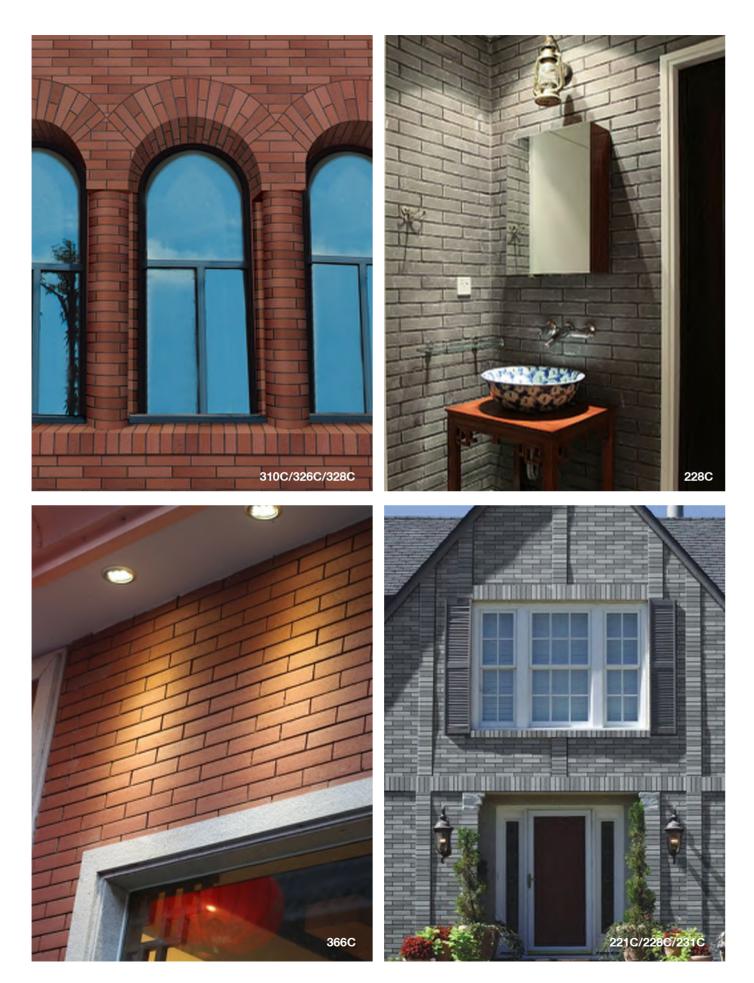
362C



310C



328C



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