



**BE TÔN GÌ KHI  
VIGLACERA**

**GIẢI PHÁP XANH CHO**



# CAC DE MUC CHINH

- ▶ CHAN DUNG DOANH NGHIEP ^ TIEU

CHUAN CHAT LirgfNG

^ BE TONG KHI VIGLACERA

- ▶ IfNG DUNG BE TONG KHI



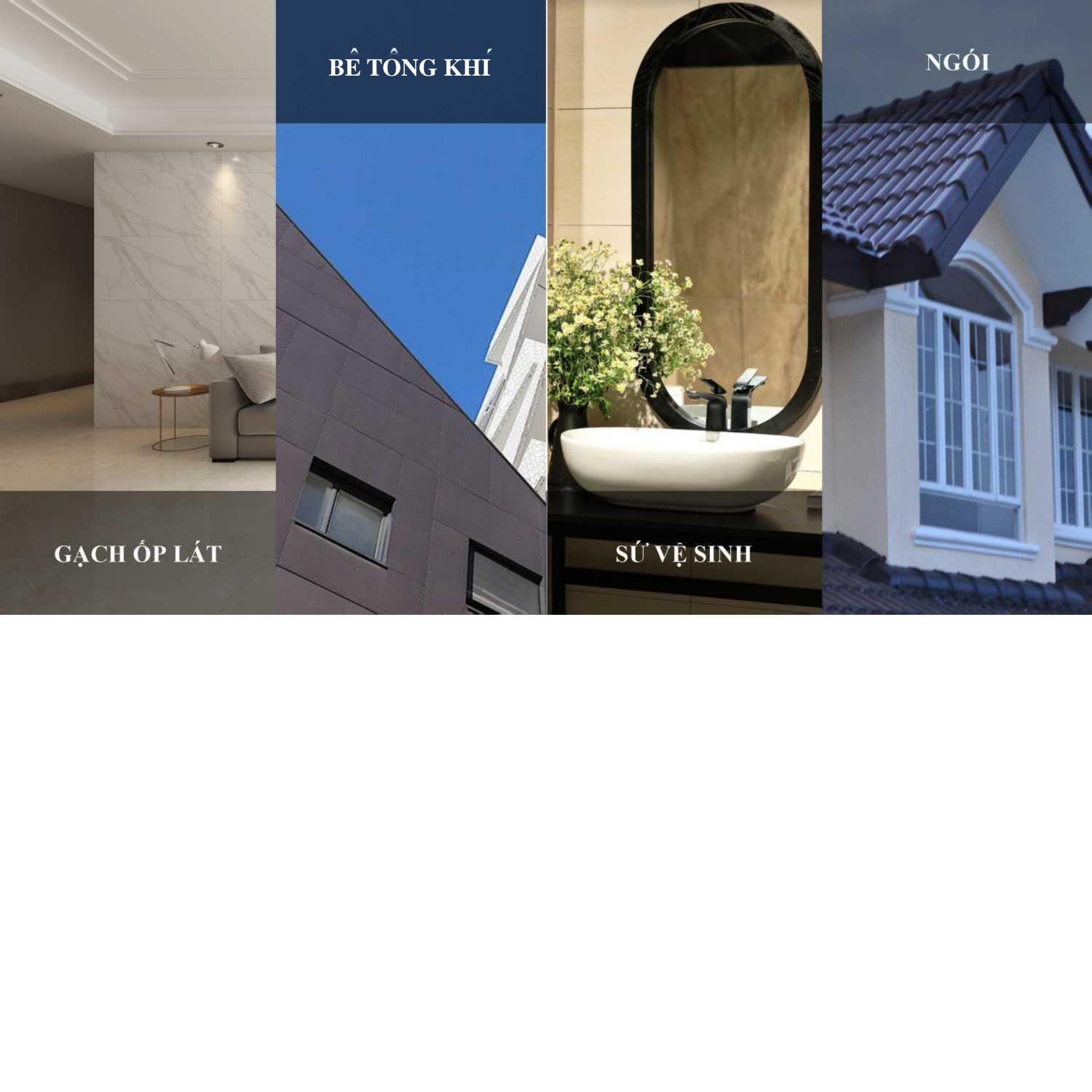
**CHÂN DUNG DOANH NGHIỆP**



# GIỚI THIỆU



Cong ty CPKD Gach op lat Viglacera  
duoc thanh lap thang 06/2012 la don vi  
thanh vien cua Tong cong ty Viglacera  
- CTCP co nhiem vu bao tieu toan bo  
gach pham gach op lat va gach be tong  
kh^ chnng ap cua cac don vi san  
xuat truc thuoc Tong cong ty.



NGÓI

BÊ TÔNG KHÍ



GẠCH ỐP LÁT



SỨ VỆ SINH



# TAM NHIN - Stf MENH

## TAM NHIN

Duy tri vi the dan dau trong linh vuc kinh doanh vat lieu xay dung, phat trien nhanh chong va ben vung cac san pham co loi the canh tranh nhu san pham xanh, san pham than thien voi moi trudng, hudng tdi trd thanh thuong hieu hang dau Dong Nam A.



## stf MENH

Cung cap cac san pham gach op lat va gach be tong kh chung ap mang thuong hieu Viglacera voi chat luong hang dau Viet Nam, duoc thi trudng quoc te ghi nhan, gop phan thay doi dien mao cua cac du an, cong trinh

# PHAT TRIEN BEN VITNG

Trach nhiem xa hoi la mot tronng nlnrng gia tri va triet ly quan trong ma Viglacera lnrong den. Chung toi luon dam bao rang viec phat trien doanh nghiep phai luon song hanh voi phat trien ben vimg va dong gop cho cong dong.

## TIET KIEM NANG LfONG VA TAI CHE

Chung toi huong den viec tiet kiem nang lugng khi cac cong trinh sir dung san pham cua chung toi co the cat giam lugng ldn nang lugng dien do it chiu tac dong boi nhiet do ben ngoai. Ben canh do, be tong khi con co the dua vao tai che lai sau khi sir.

## DAM BAO CHAT LI ONG SONG

Nguyen lieu ma chung toi sir dung dugc nhap khau tir chau Au, khong phat khi thai hoac cac chat doc hai doi voi sire khoe nguci dung. Khong chi vay, cac san pham cira chung toi luon lay con nguci lam trgng tarn, giao quyет cac nhu cau thiet there trong cuoc song bang cac lgi ich ly tinh va cam tinh ma san pham mang lai.



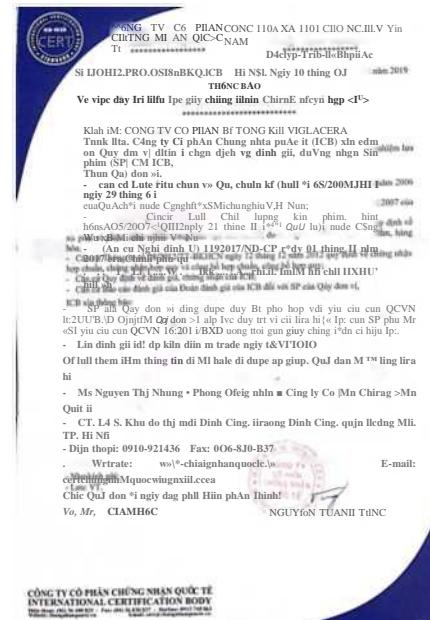
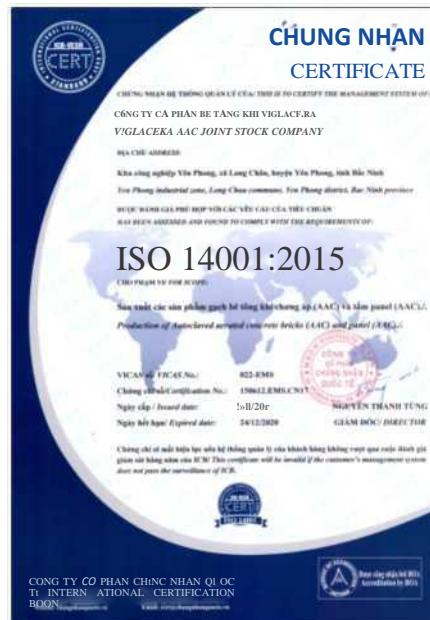


**TIÊU CHUẨN CHẤT LƯỢNG**

# GIAY CHIENG NHAN VA TIEU CHUAN CHAT LGONG

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## Dat chuan Chau Au EN 774-1 va Tieu chuan Viet Nam 7959-2017



# GIAY CHUNG NHAN VA TIEU CHUAN CHAT LUONG



$\Delta \quad r$   
W-V/V »  $\Delta \quad r \quad A$

**Do ben uon va**

**r**  
**dO bien dang: 725 kg**



## DAY CHUYEN SAN XUAT VA CONG NGHE HIEN DAI

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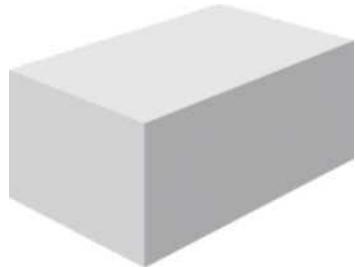
San pham gach be tong kh AAC va  
tam panel ALC Viglacera dnoc san xuat  
tren day chuyen cong nghe cua hang  
HESS AAC SYSTEMS (CHLB Dnc)



**BÊ TÔNG KHÍ VIGLACERA**

# CAC SAN PHAM CfflNH

## AAC BLOCK



600 x 200 x 200



600 x 200 x 150



600 x 200 x 100

### KfCH THUTiC GACH THONG DUNG

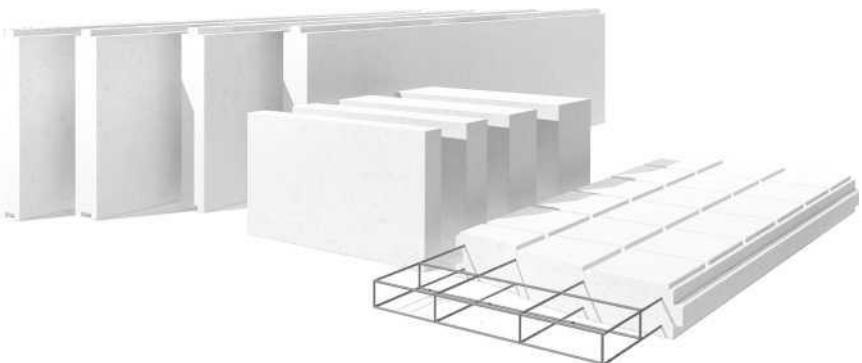
CHIEU DAI <i>Imm1</i>	CHIEU DAY [ <i>mm</i> ]	CHIEU CAO <i>Imm1</i>
600	80	200
600	100	200
600	150	200
600	200	200

(Chu y: Cac ki'ch thudc khac co the san xuat theo yeu cau cua khach ha  
THONG SO KY THU AT

CHITIEU	THONG SO
Khoi lirang the tich	650 - 850 kg/m3
Cucrng do nen trung binh	2.5 den 6.5 MPa
He so dan nhiet	0.11 den 0.22 W/mOK
Op each am	40 den 47 db
Sai lech ki'ch thadc (dai, day, cao)	±3 (mm) ±2 (mm) ±2 (mm)
Chong chay	Oat gioi han chiu lira El 240 phut
06 co kho	< 0.2 mm/m

# CAC SAN PHAM CFFINH

## ALC PANEL



### KICH THUC TAM PANEL THONG DUNG

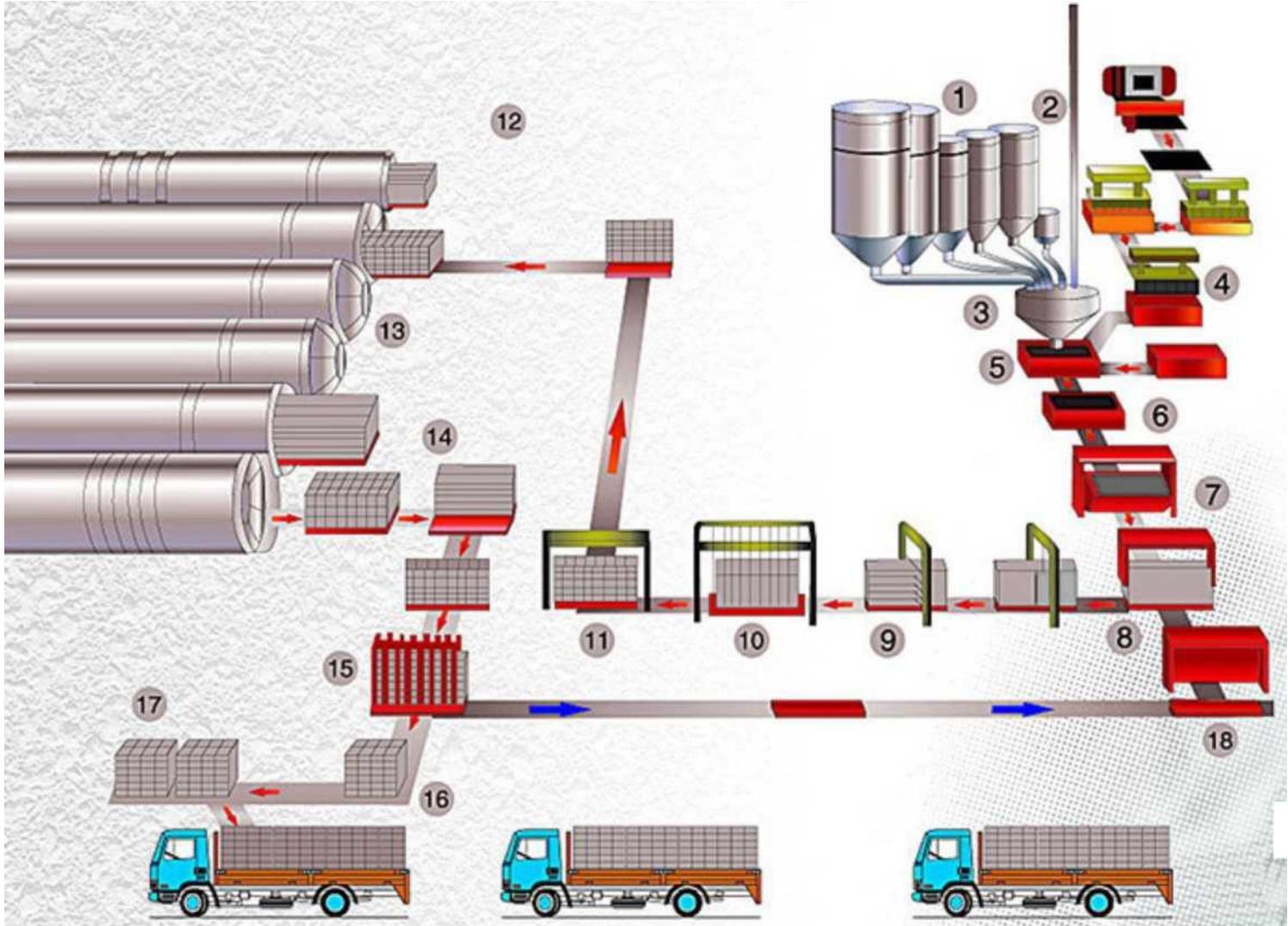
CHIEU DAY TAM TL/ANG (mm)	100	120	150	200
CHIEU DAI (mm)	2400 / 3300 / 4300 / 4500 / 4800			

(Chu y: Kich thuc tren c6 the thay doi theo yeu cau cua khach hang)

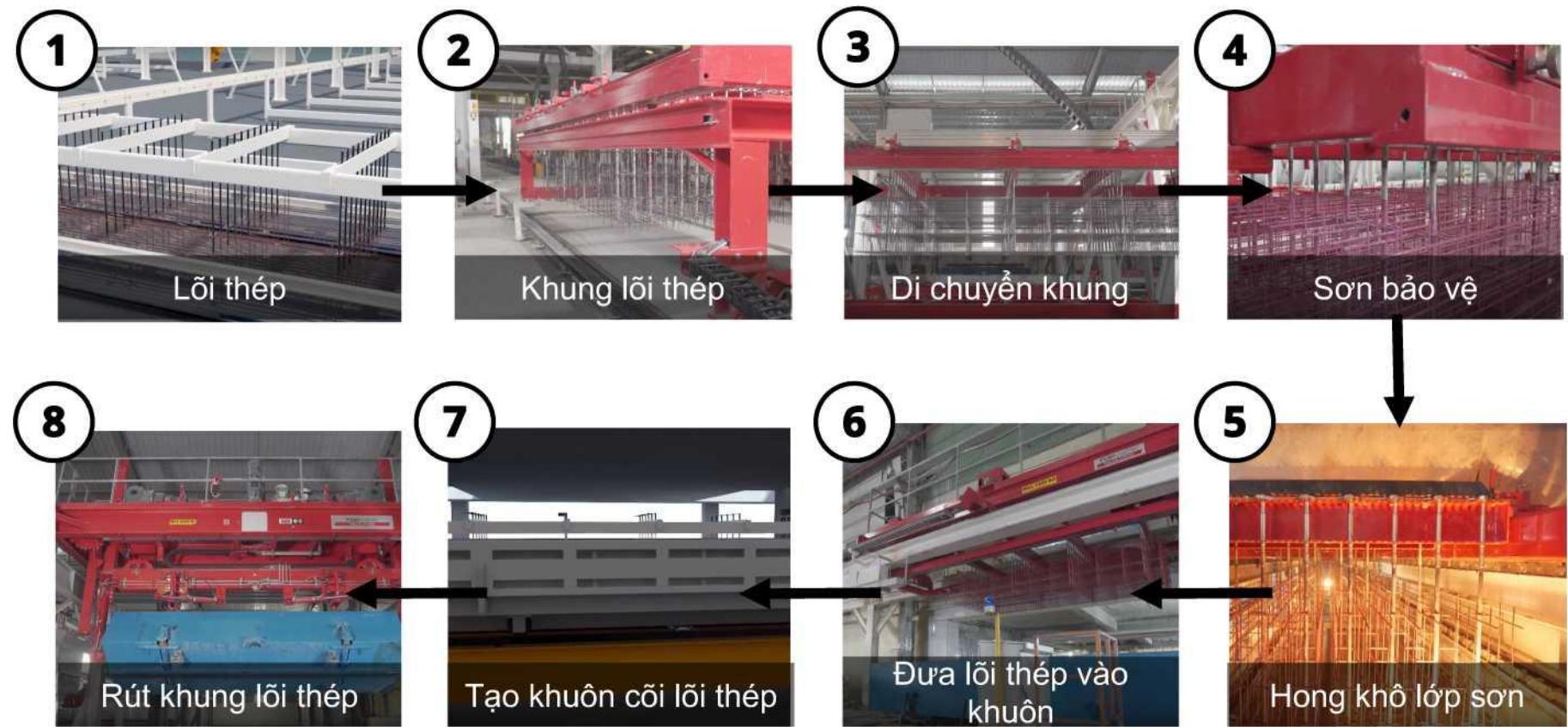
### THONG SO KYTHUAT

CHITIEU	DON V) TINH	THONG SO
Ti trong kho	Kg/m3	\$ 700
Cirdng do nen trung binh	MPa	^ 3.5
Sire treo tai diem	N	* 1500
Do co kho	mm/m	<0.2
Kha nang chong va dap	%	>2.5
Kha nang chong uon	%	> 1.5

**QUY TRÌNH  
SAN XUẤT  
BÊ TÔNG  
Kết**



# KET CAU LOI THEP CUA TAM PANEL ALC



# CAC TINH NANG CUA SAN PHAM



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## DO BEN CAO

Gan 100 nam tren the gio'i trai qua nhieu cieu kien thdi tie't khac nghiet.

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## CACH AM TOT !

Do co cau true to ong, Viglacera AAC l giam sit truyen am giCta cac phong l va cac tieng on tit ben ngoai giup l cho khong gian song yen tTnh. I

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## CHONG CHAY

Viglacera AAC la vat lieu vo ca va khong bat chay. Ngan ngita chay lan va kha nang chong chay tit 4 - 6 gicr cfong ho.

I



## TRONG LUONG NHE

Ty trong kho cua Viglacera AAC chi bang 1/3 so vdi gach set nung. Do do, giup giam tai mong, ket cau cong trinh.

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# CAC TINH NANG CUA SAN PHAM



## THAN THIEN VOI MOI TRUONG

Viglacera AAC la vat lieu xanh, giup giam dope 30% chat thai moi tri/Png, sit dung it hcfn 60% nang li/crng va giam hcfn 55% but xa nha kinh so vdi gach truyen thong.



## CACH NHIEU TOT

Viglacera AAC co kha nang each nhiet rat tot so voi cac vat lieu khac. Duy tri nhiet cto on ctinh trong nha, giup tiet kiem chi phi cteu hoa hoac 16 sir o'!.

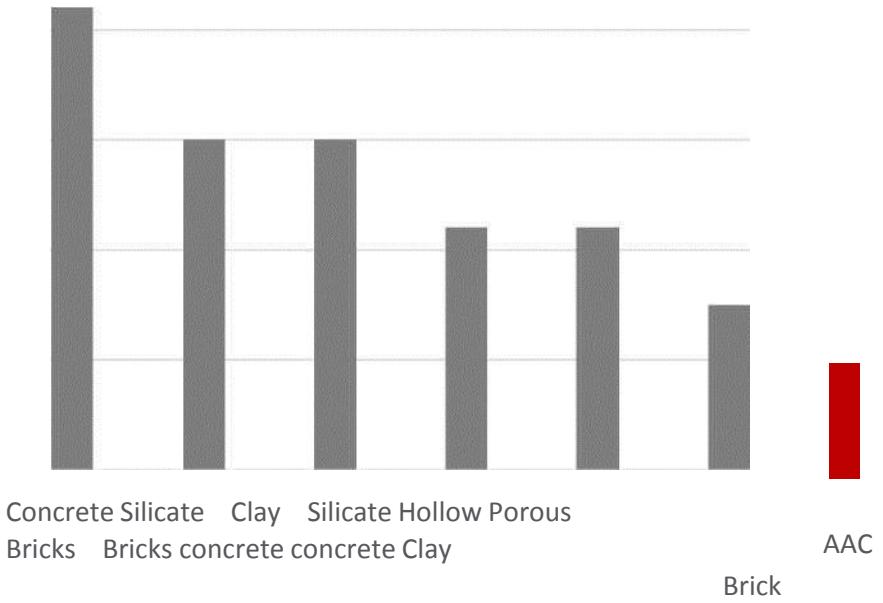


## THI CONG NHANH

Do kich thirc tc l6n han gach thong thirc ng nen Viglacera AAC thi cong nhanh chong va de dang. Trong lirang nhe tiet kiem nhan lttc, phitong phap xay mach mong tiet kiem vCta. Co the cat de dang bang cita tay. Trung blnh mot ngir6i thoxay ditoc khoang 30 - 40m2 tirdng/ngay so v6i khoang 10m2 tir6ng xay gach truyen thong.

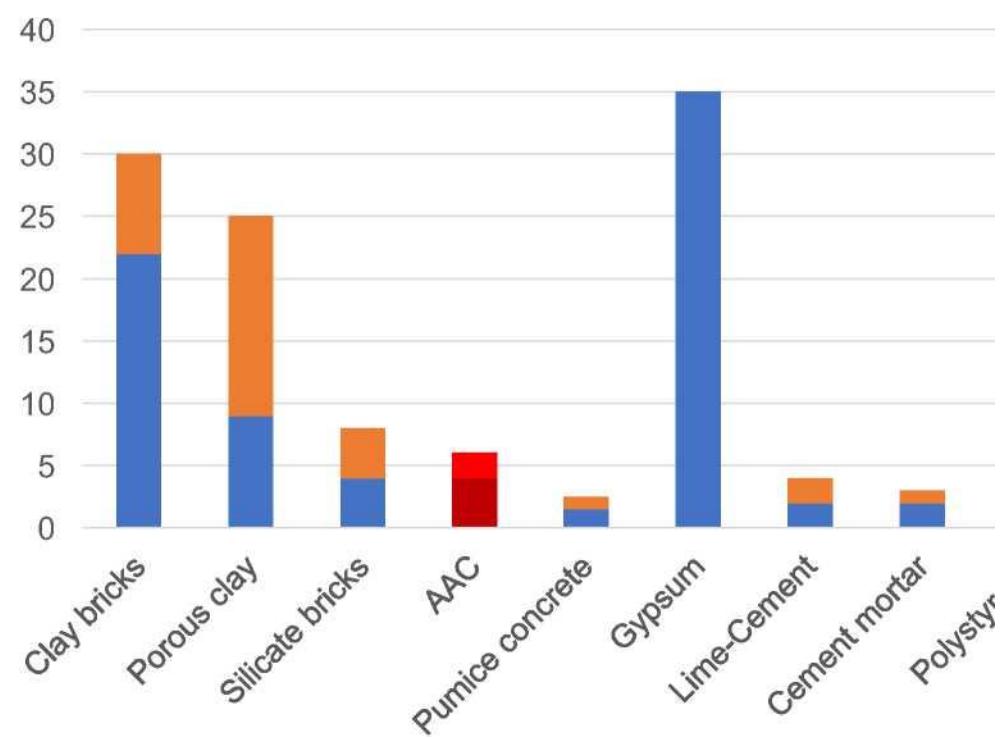
# KHOI LLTONG

LOAIVATUEU	KH(f) LUONG
Concrete	2100
Silicate Bricks	1500
Clay Bricks	1500
Silicate concrete	1100
Hollow concrete	1100
Porous Clay Brick	750
Autoclave Aerated concrete(AAC)	600

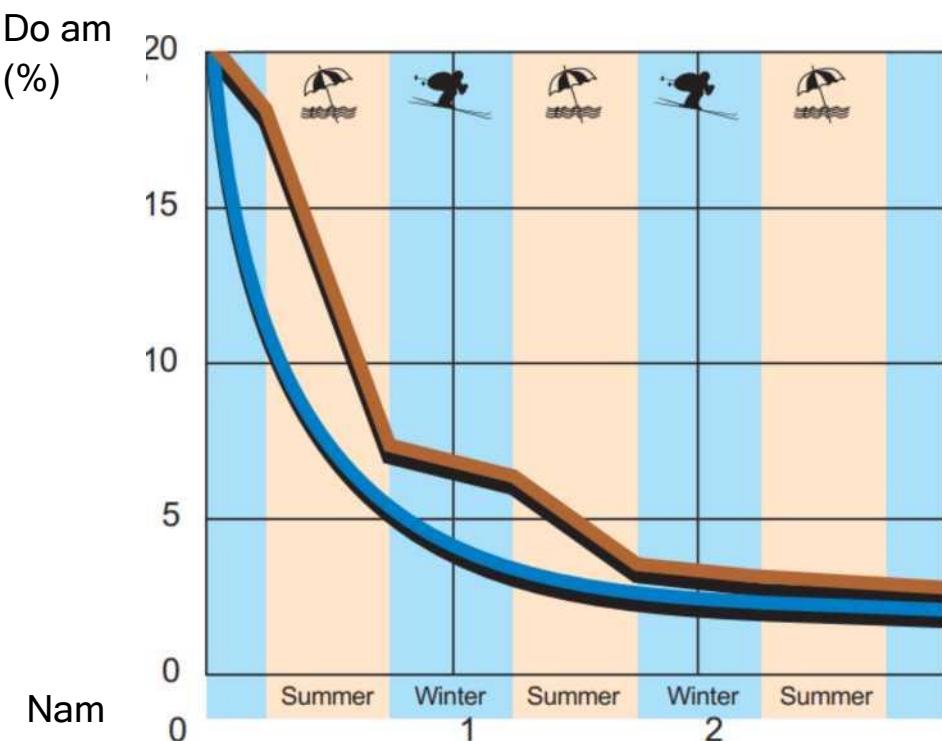


# HE SO HUT AM

LOẠI VẬT LIỆU	W
Clay bricks	22-30
Porous clay	9-25
Silicate bricks	4-8
AAC	4-6
Pumice concrete	1.5-2.5
Gypsum	35
Lime-Cement	2-4
Cement mortar	2-3
Polystyrene	0.05-0.2



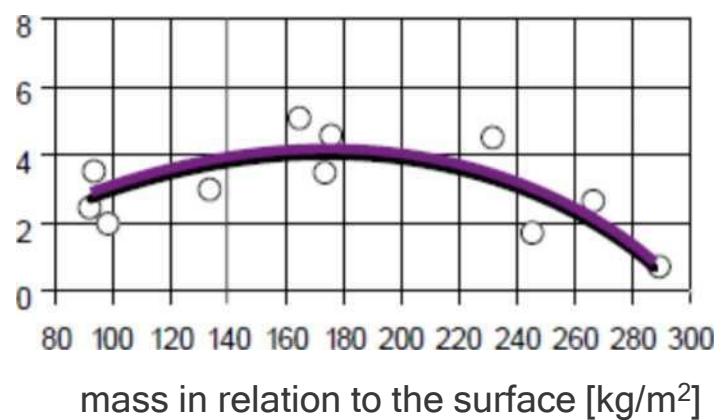
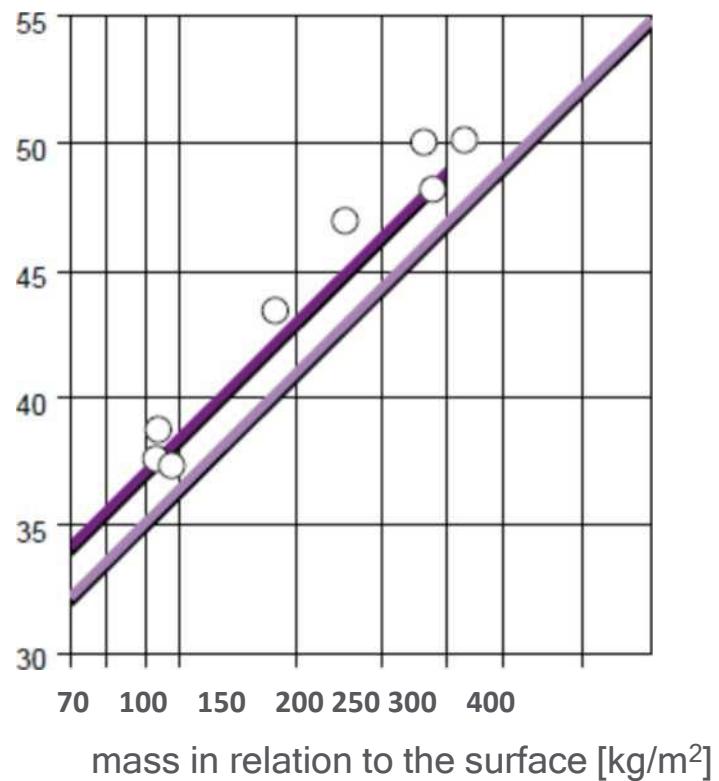
# HE SO THOAT AM



Thoat n^ac a hai ben t^ang

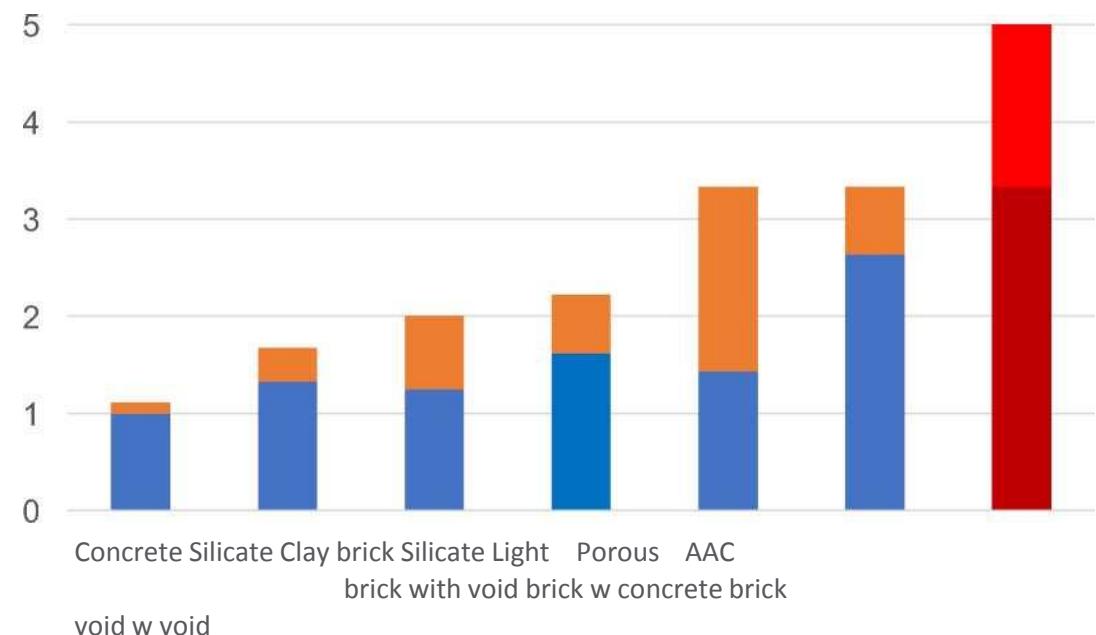
Chi thoat n^ac a khu wc ben trong

# BIEU DO HE SO CHONG TIENG ON



# SO SANH TIEN DO XAY I) INC

LOAIVATUEU	
Concrete	1-1.11
Silicate brick	1.33-1.67
Clay brick with void	1.25-2
Silicate brick w void	1.62-2.22
Light concrete w void	1.43-3.33
Porous brick	2.63-3.33
AAC	3.33 - 5

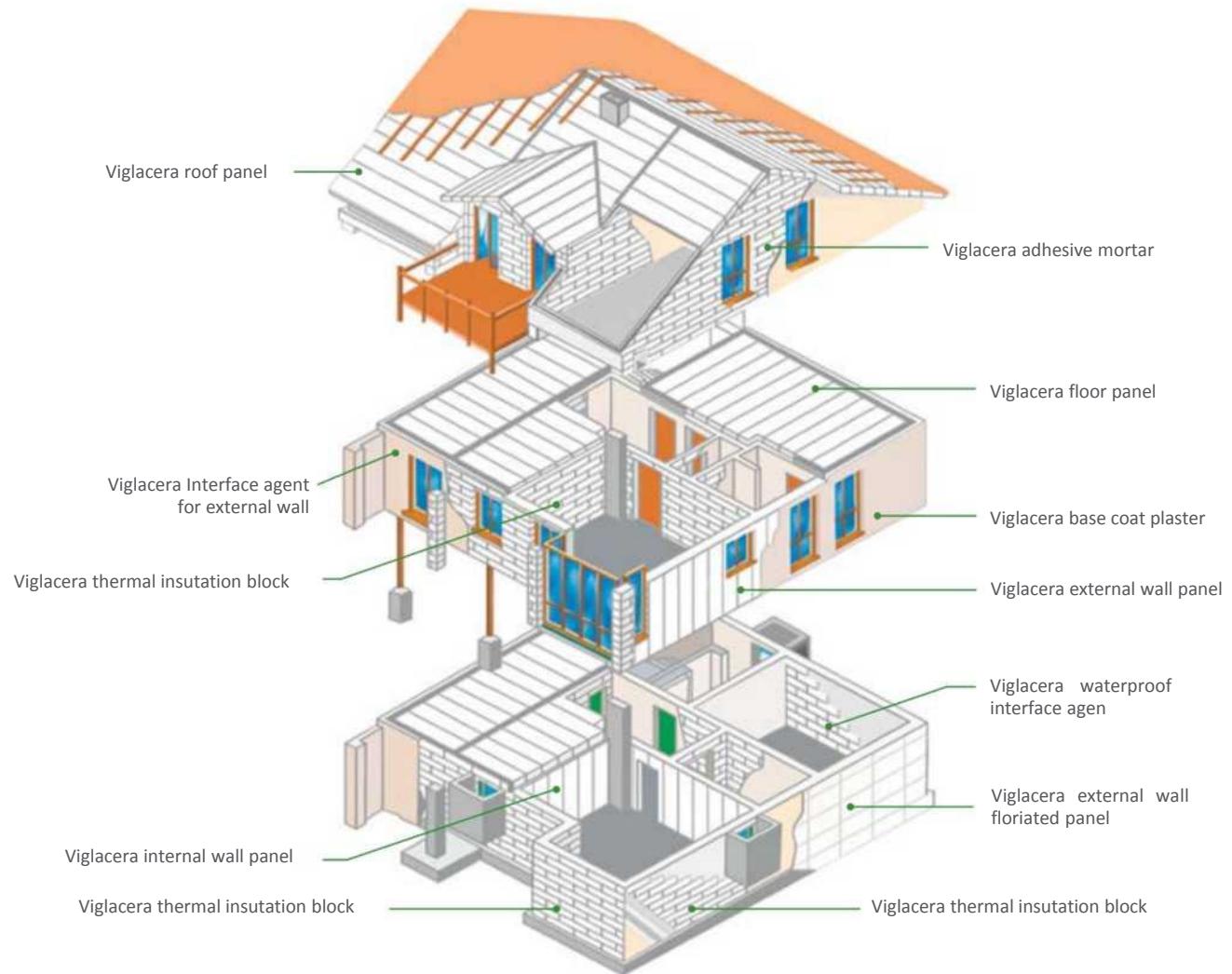




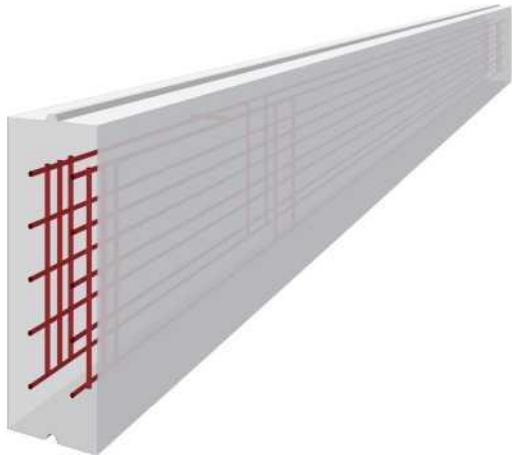
UNG DÙNG BẾ TỔNG KHI



# UNG DUNG TAM PANEL ALC



# LfNG DVNG TAM PANEL ALC LARGE WALL PANEL

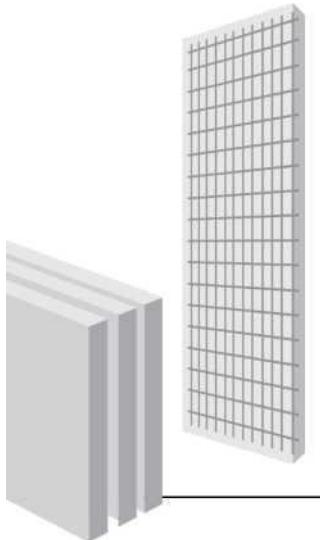


## Product specifications

Length	1,000 - 6,000mm
Height	<b>300</b> -625mm
Thickness	75 -300mm
Accuracy	+ 1.0 - 3.0mm (EN 12602 / ASTM <b>1694-09</b> )
Reinforcement	Heavy steel grid (structural)
Profiling	Tongue & Groove, Bevel, Square, Recess
Density range	<b>500</b> -600kg/m <sup>3</sup>
Surface	Option of Super Smooth

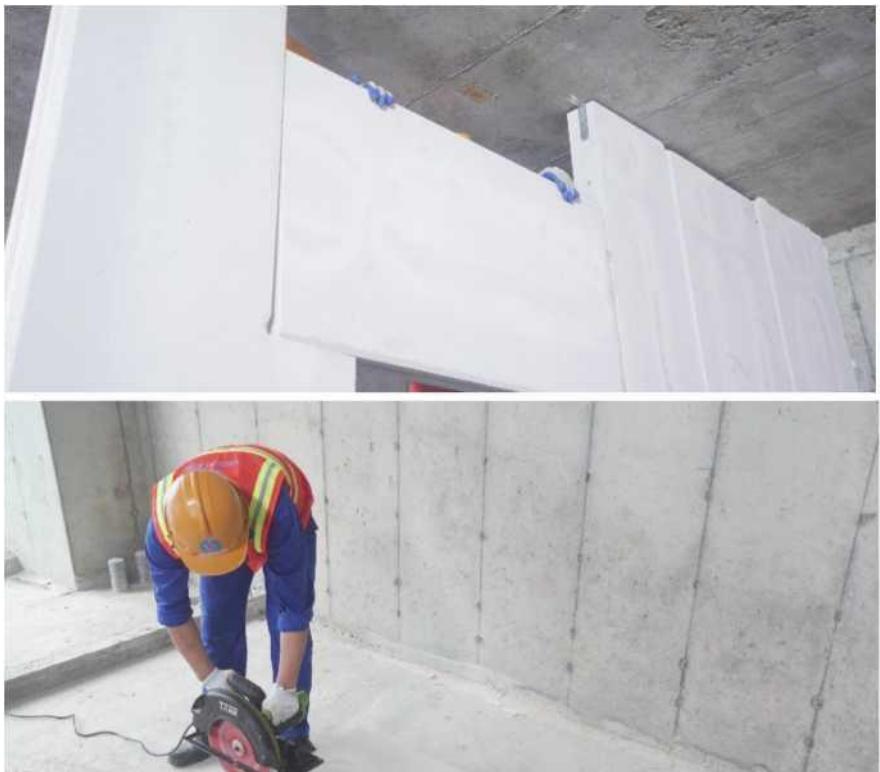


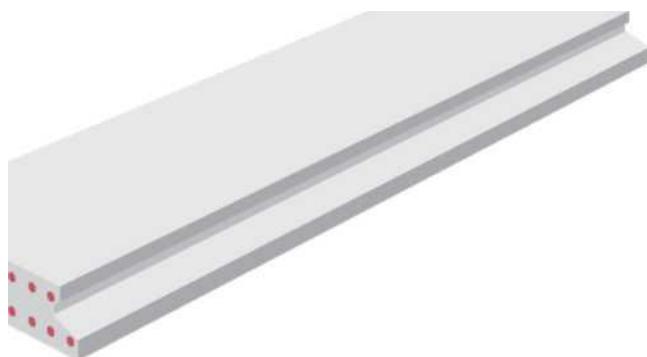
# tfNG DUNG TAM PANEL ALC THIN WALL AND CLADDING PANEL



## Product specifications

Length	2,000 - 6,000mm
Height	<b>600</b> -625mm
Thickness	40 - 100mm
Accuracy	+ 1.0 - 3.0mm (EN12602 / ASTM 1694-09)
Reinforcement	Light steel grid (non-structural)
Profiling	N/A
Density range	<b>500</b> - 800kg/m <sup>3</sup>
Surface	Option of Super Smooth





#### Product specifications

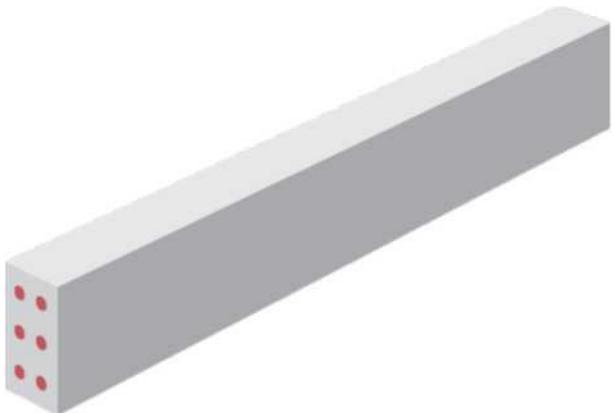
Length	1,000 - 6,000mm
Height	300 -625mm
Thickness	150 -300mm
Accuracy	+ 1.0-3.0mm (EN 12602/ASTM 1694-09)
Reinforcement	Heavy steel grid/cage (structural)
Profiling	Tongue & Groove, Bevel, Square, Recess
Density range	500 -600kg/m <sup>3</sup>
Surface	n/a

# I'M, DUNG TAM PANEL ALC ROOF AND FLOOR PANEL



# INC DUNG TAM PANEL ALC STRUCTURAL LINTELS

limestone concrete panel system



## Product specifications

Length	500-2,500mm
Height	250mm
Thickness	100 - 300mm
Accuracy	± 1.0-3.0mm (EN 12602/ASTM 1694-09)
Reinforcement	Cage (structural)
Profiling	n/a
Density range	400 - 600kg/m³
Surface	n/a



# CACH THUC VAN CHUYEN

## ► B6NG GOI

Block AAC khi van chuyen tai cong trinh nen dong thanh kien tren lop day cung, xung quanh va nap kien boc nilon kin va dai chat de tranh mua va giu kien on dinh trong qua trinh van chuyen;

## ► VAN CHUYEN

Kien block AAC nen xep do bang xe c6 tay nang. Khi dung cau thi nen dung day mem va tranh de day co sat vao thanh kien gay sut block.



## BAO QUAN

Kien block AAC can dugc bao quan noi kho rao, tren nen bang phang, vung chac. Co the xep mot hoac nhieu kien chong len nhau theo chi dan cua nguoi san xuat (thuong khong nen cao qua 2,5 m).

Tai cong truong, neu chua dung ngay, nen giu lai phan nap va mo phan nilon boc xung quanh kien de lam kho them block.

Thao nap day kien AAC khi bat dau su dung bloc de xay.

# HtONG DAN THI CONG

## VA LAP DAT

### ^ CHQN VUA

De trat block AAC, co the dung vua xay thong thuong (vua xay gach dat set nung, vua xay dung) hoac vua xay mach mong (vua chuyen dung co mac 25 den 100, mach vua day 1 den 5 mm, duoc che tao bang xi mang, chat tao deo, keo huu co, cat hoac chat don min; mot so loai vua mach mong).

Khi xay bang vua xay mach mong nen dung cac block AAC kho. Khi xay bang vua xay thong thuong nen lam am mat block AAC ngay truoc khi rai vua xay. Khong ngam hoac tuo i uot cac bloc AAC truoc khi xay.



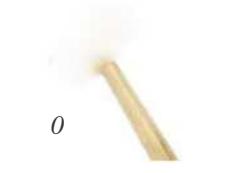
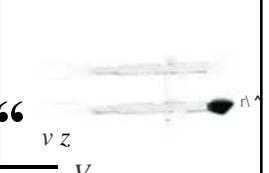
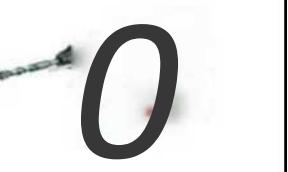
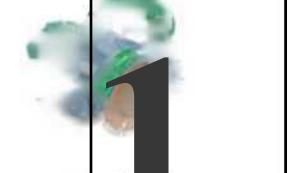
### THI CONG -4

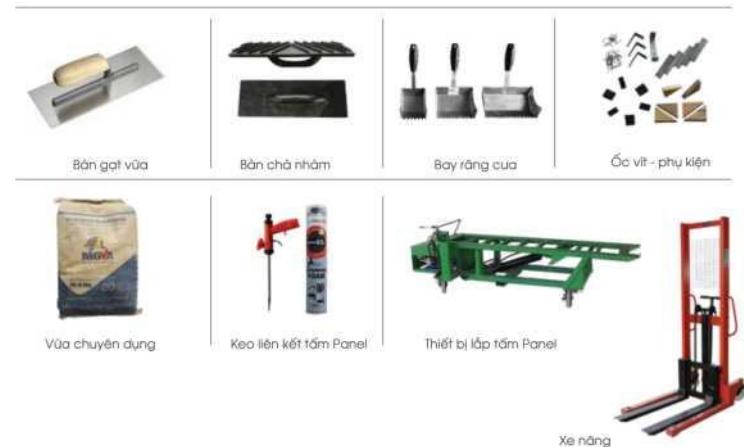
Khi trat, nen thuc hien lop trat tren tuong AAC kho da duoc lam am be mat, hoac quet nuoc xi mang hoac duoc quet chat tao dinh.

Can han che bac giao xuyen qua tuong AAC, khong duoc bac giao ti vao tuong dang xay.

Cac quy dinh khac ap dung chung cho tuong xay bang moi loai vien xay duoc thuc hien theo TCVN 4085 : 1985 Ket cau gach da - Quy pham thi cong va nghiem thu.

# THIẾT BỊ VÀ DỤNG CỤ THI CÔNG

 K. May trcpn vua chuyen dung cam tay	 Canh khuay	 Bua cao su	 Cdy tao ranh
 0	 Khoan tay	 Cua cam tay	 Thuac nivo
 1	 La thep duong goc	 Gau rai voa	 Pheu rai vua
May cdt cam tay			X



# CAC BLTOfC THI CONG



an chuyen va bao quan  
hans den cons trinh



Tron vua



Ba hoan thien thi cong hang Chong tham khu dung nuoc  
muc ky thuat



3  
Xay hang dau tien va cac  
hang tiep theo



4  
Dat cot thep trong tudng xay



5  
Tại khe co dãn trên tường



6  
Liên kết đầm, cột, tường,  
sàn

## CONG TRINH TIEU BIEU



**THE SUPERIOR DEPARTMENTS COMBINATION INDOCHINA  
HA NOI PLAZA**  
**INVESTOR: INDOCHINA LAND (Singapore)**



**MANDARIN GARDEN**  
**INVESTOR: HOA PHAT CORPORATION**

# CONG TRINH TIEU BIEU



LICOGI TOWER 13



BEN DU THUYEN QUOC TE NHA TRANG ANA MARINA

## CONG TRINH TIEU BIEU



KHACH SAN MARRIOTT DA NANG



FLAMINGO CAT BA

## CONG TRINH TIEU BIEU



DU AN UDIC WESTLAKE



CANG HANG KHONG VAN DON, QUANG NINH

## DOI TAC CHIEN LUOC



*UECOBA*

1 COFICO

DaiQuangMinh

Tan tam vi giá tri thật



# THANK YOU!

**Cong ty CPKD gach Op lat Viglacera / Djachi:** Tang 2, Toa Viglacera, so 1 Dai lo  
Thang Long, P. Me Tri, Q. Nam Tu Liem, Ha Noi, Viet Nam.

So dien thoai: [0948858538](tel:0948858538)

Website: <http://gachnhehanoi.com>