


# INNOVATIVE Engineering Solutions

Building Blocks





Introducing a comprehensive guide to Samcrete's extensive range of Concrete Blocks.

# CONTENTS

Introduction	3
Solid Blocks	4
Hollow Fair Face Blocks	5
Hollow Rough Face Blocks	6
Hollow Split Face Blocks	7
Cladding Blocks	7
Lintel Blocks	8
Topping Blocks	8
Projects	9





Quality, Environmental & Sustainability

**A Concrete Block** is primarily used as a building material in the construction of walls. It is sometimes called a Concrete Masonry Unit (CMU). A Concrete Block is one of several precast concrete products used in construction. The term precast refers to the fact that the blocks are formed and hardened before they are brought to the job site.

### Advantages:

- 1- **Highly Durable;** the good concrete compacted by high pressure and vibration gives substantial strength to the block. Proper curing increase compressive strength of the blocks.
- 2- **Low Maintenance;** color and brilliance of masonry withstands outdoor elements.
- 3- **Load Bearing;** strength can be specified as per the requirement.
- 4- **Fire Resistant.**
- 5- **Provide thermal and sound insulation;** the air in hollow of the block does not allow outside heat or cold in the house, so it keeps house cool in summer and warm in winter.
- 6- **Economical;** no additional formwork or any special construction machinery is required for reinforcing the hollow block masonry.
- 7- **Environment Friendly.**

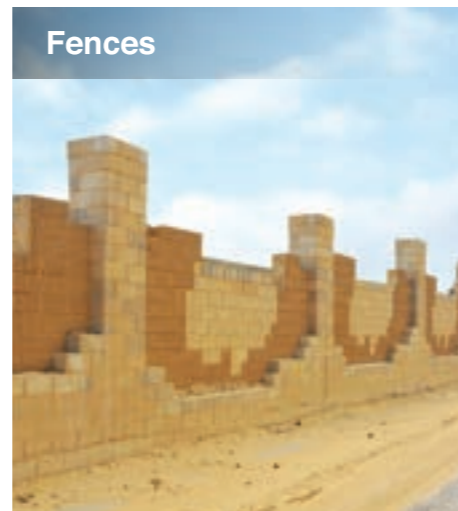
### Applications:



Residential



Industrial

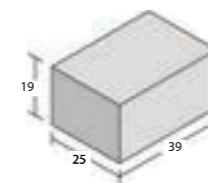


Fences

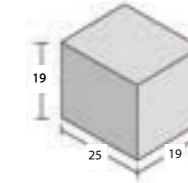


## Solid Blocks

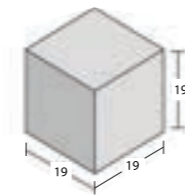
Technical Information



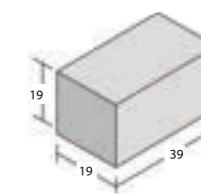
Width x Length x Height (Cm)  
**25 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **39.5**  
 Unit: **Piece**



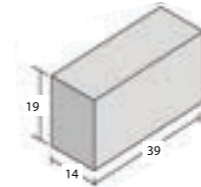
Width x Length x Height (Cm)  
**25 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **19.74**  
 Unit: **Piece**



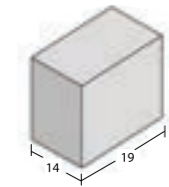
Width x Length x Height (Cm)  
**19 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **15**  
 Unit: **Piece**



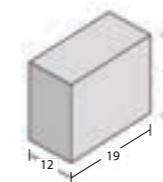
Width x Length x Height (Cm)  
**19 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **30**  
 Unit: **Piece**



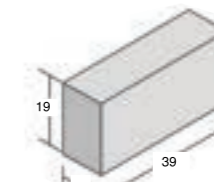
Width x Length x Height (Cm)  
**14 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **21.9**  
 Unit: **Piece**



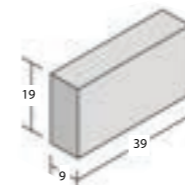
Width x Length x Height (Cm)  
**14 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **10.95**  
 Unit: **Piece**



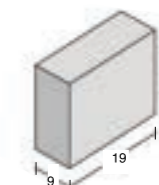
Width x Length x Height (Cm)  
**12 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **9.85**  
 Unit: **Piece**



Width x Length x Height (Cm)  
**12 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **20.25**  
 Unit: **Piece**



Width x Length x Height (Cm)  
**9 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **14.25**  
 Unit: **Piece**



Width x Length x Height (Cm)  
**9 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **7.56**  
 Unit: **Piece**

### Colour Options

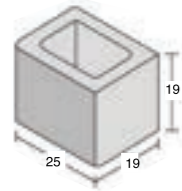
Samcrete Blocks are available in basic colors as shown and also can be manufactured with any colour upon your request.



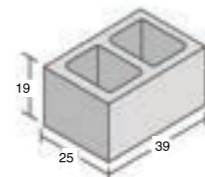


# Hollow Fair Face Blocks

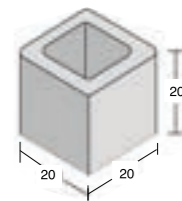
Technical Information



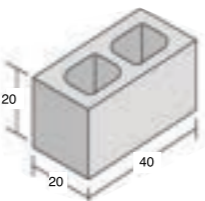
Width x Length x Height (Cm)  
**25 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **11.2**  
 Unit: **Piece**



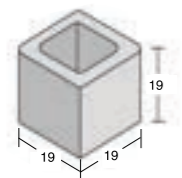
Width x Length x Height (Cm)  
**25 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **23**  
 Unit: **Piece**



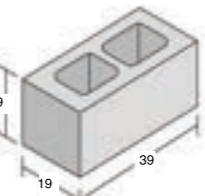
Width x Length x Height (Cm)  
**20 X 20 X 20**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **10.93**  
 Unit: **Piece**



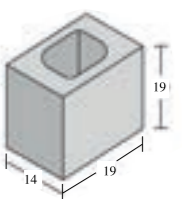
Width x Length x Height (Cm)  
**20 X 40 X 20**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **19.5**  
 Unit: **Piece**



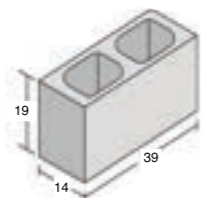
Width x Length x Height (Cm)  
**19 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **9.7**  
 Unit: **Piece**



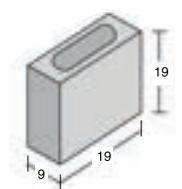
Width x Length x Height (Cm)  
**19 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **18.75**  
 Unit: **Piece**



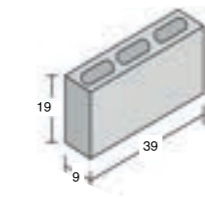
Width x Length x Height (Cm)  
**14 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **8.4**  
 Unit: **Piece**



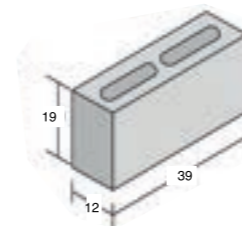
Width x Length x Height (Cm)  
**14 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **12.6**  
 Unit: **Piece**



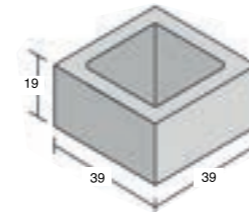
Width x Length x Height (Cm)  
**9 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **5.2**  
 Unit: **Piece**



Width x Length x Height (Cm)  
**9 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **11.1**  
 Unit: **Piece**



Width x Length x Height (Cm)  
**12 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **12**  
 Unit: **Piece**

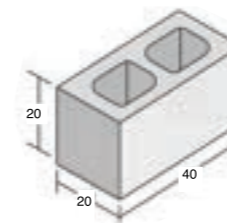


Width x Length x Height (Cm)  
**39 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **25.5**  
 Unit: **Piece**

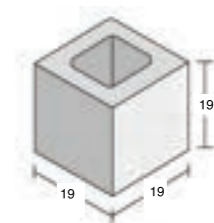


# Hollow Rough Face Blocks

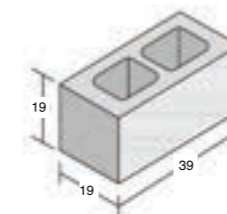
Technical Information



Width x Length x Height (Cm)  
**20 X 40 X 20**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **12.21**  
 Unit: **Piece**



Width x Length x Height (Cm)  
**19 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **11.1**  
 Unit: **Piece**



Width x Length x Height (Cm)  
**19 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
**≥ 119 (≥ 133)**  
 Weight (Kg) **18.5**  
 Unit: **Piece**

## Colour Options

Samcrete Blocks are available in basic colors as shown and also can be manufactured with any colour upon your request.

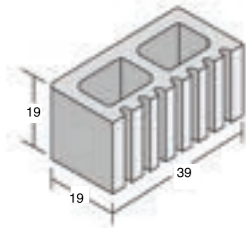




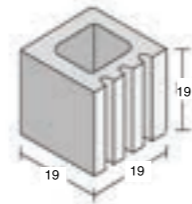


## Hollow Split Face Blocks

Technical Information



Width x Length x Height (Cm)  
**19 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **20.9**  
 Unit: **Piece**

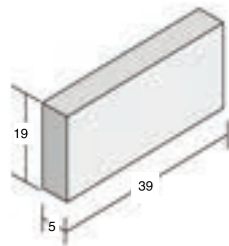


Width x Length x Height (Cm)  
**19 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **11**  
 Unit: **Piece**

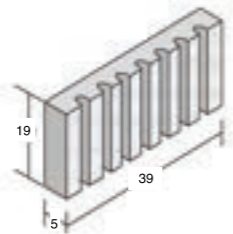


## Cladding Blocks

Technical Information



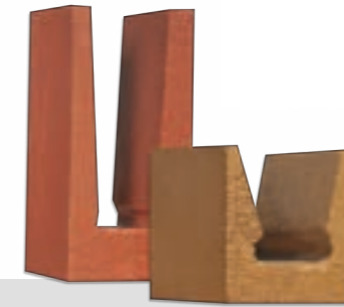
Width x Length x Height (Cm)  
**5 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **9.15**  
 Unit: **Piece**



Width x Length x Height (Cm)  
**5 X 39 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **7.4**  
 Unit: **Piece**

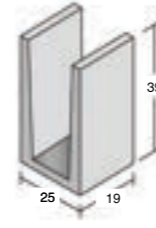
### Colour Options

Samcrete Blocks are available in basic colors as shown and also can be manufactured with any colour upon your request.

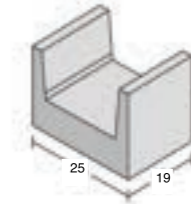


## Lintel Blocks

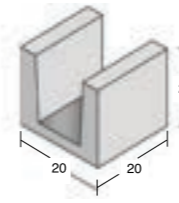
Technical Information



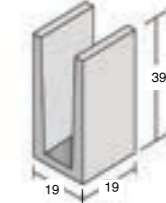
Width x Length x Height (Cm)  
**25 X 19 X 39**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **21.8**  
 Unit: **Piece**



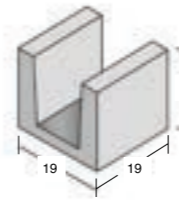
Width x Length x Height (Cm)  
**25 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **10.1**  
 Unit: **Piece**



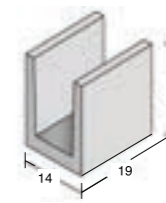
Width x Length x Height (Cm)  
**20 X 20 X 20**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **8.33**  
 Unit: **Piece**



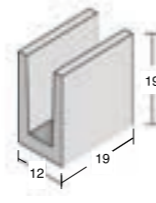
Width x Length x Height (Cm)  
**19 X 19 X 39**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **17.7**  
 Unit: **Piece**



Width x Length x Height (Cm)  
**19 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **8.3**  
 Unit: **Piece**



Width x Length x Height (Cm)  
**14 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **7.35**  
 Unit: **Piece**

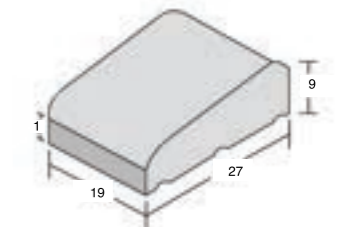


Width x Length x Height (Cm)  
**12 X 19 X 19**  
 Compressive Strength (Kg/Cm<sup>2</sup>)  
 $\geq 119 (\geq 133)$   
 Weight (Kg) **6.65**  
 Unit: **Piece**



## Topping Blocks

Technical Information



Width x Length x Height (Cm)  
**19 X 27 X 9**  
 Weight (Kg) **8.600**  
 Unit: **Piece**





Administration Building

## Projects

- **Proctor & Gamble Factory** in 6<sup>th</sup> of October City.
- **San-Stefano Hotel** in Alexandria.
- **Microsoft Premises** at Smart Village.
- **Dar Al Fouad Hospital** in 6<sup>th</sup> of October City.
- **Four Seasons Hotel** in Cairo.
- **Hurghada Tourism Center.**
- **Alexandria Library.**
- **National Center for Examination** in Al Mokattam.
- **EGA Factory (Mercedes)** in 6<sup>th</sup> of October City.
- **Sonut Factory** (Schweppes) in Sadat City.
- **Kuwait Embassy.**
- **American University** in New Cairo.
- **Administrative and industrial buildings** in 6<sup>th</sup> of October City.



Steigenberger Al Dau Club-Hurghada



kuwait Embassy



Residential



Nass Academy

## Contact Us

**Head Office:**

8, Mansouria Road, Ahram, Giza. P.O. Box: 686 Cairo

Tel.: (202) 3389 1420 - 3389 1423

Fax: (202) 3389 1122 - 3771 2718

Website: [samcrete-bs.com](http://samcrete-bs.com)

e-mail: [info@samcrete-bs.com](mailto:info@samcrete-bs.com)