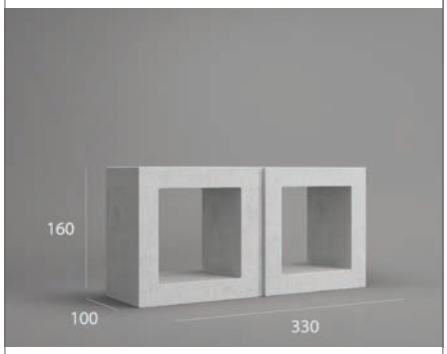
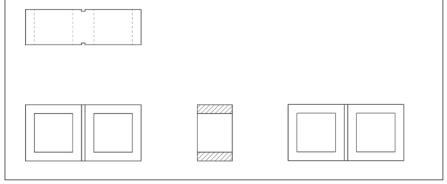
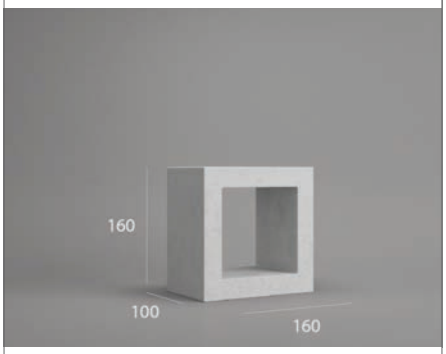
Ventilation Block

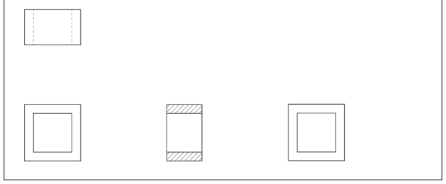
VB 160.01
± 6.5 kg



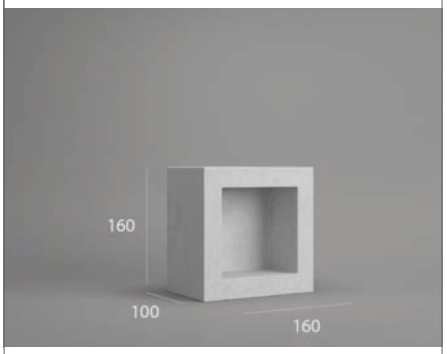


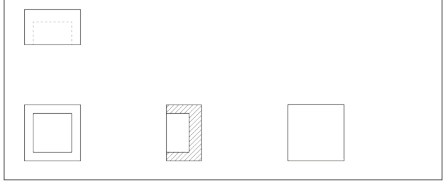
VB 160.11
± 3.0 kg



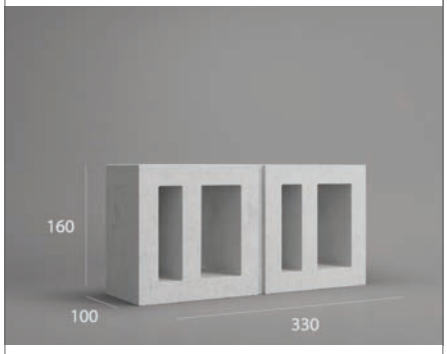


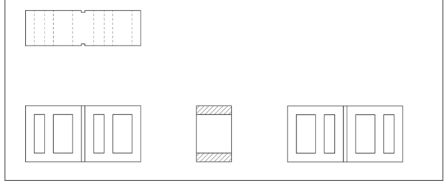
VB 160.02
± 4.0 kg



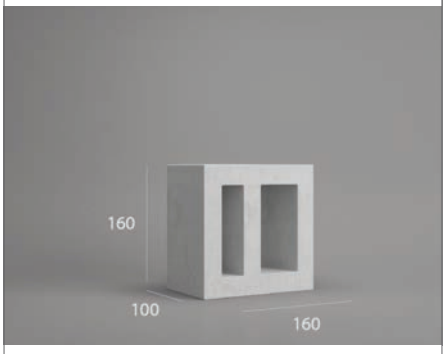


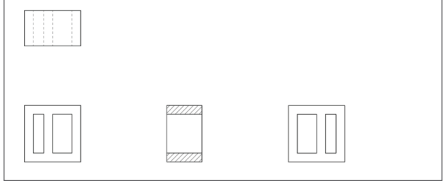
VB 160.05
± 7.0 kg

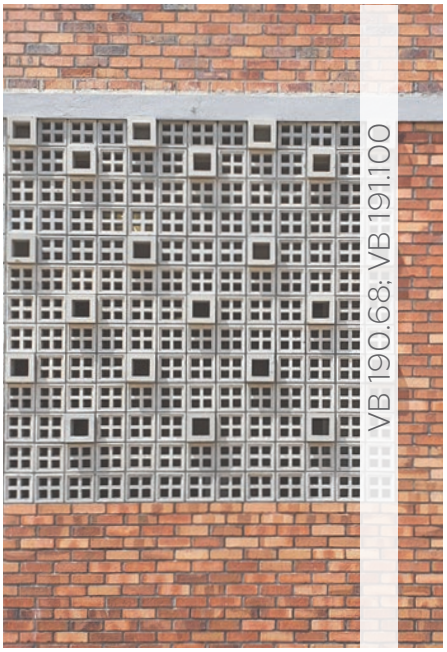




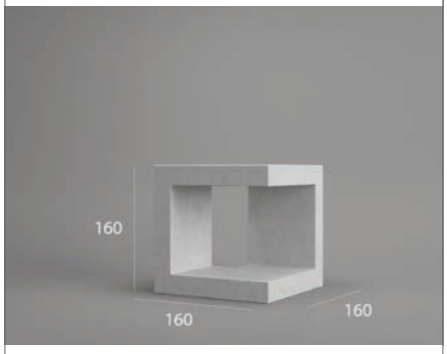
VB 160.06
± 3.5 kg

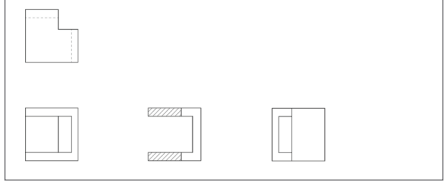




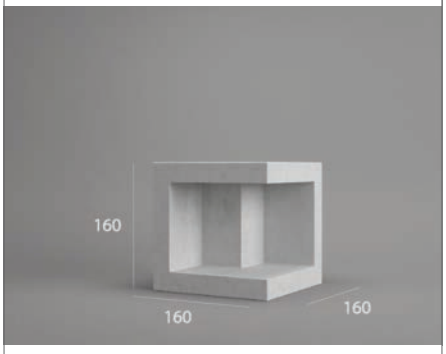


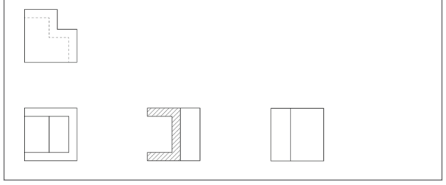
VB 160.03
± 4.5 kg



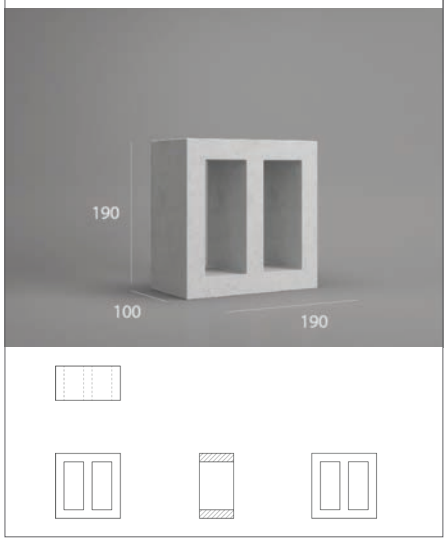


VB 160.04
± 5.5 kg

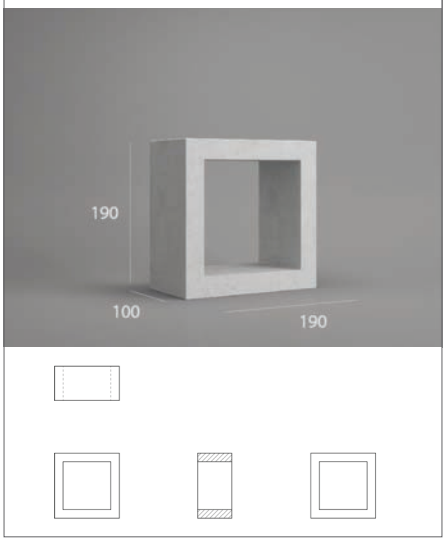




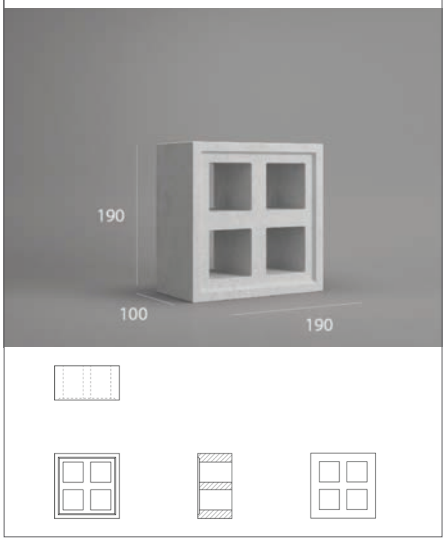
VB 1902.100
± 4.0 kg



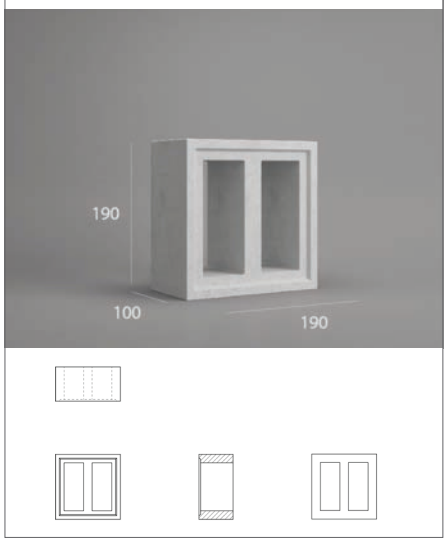
VB 1905.100
± 3.5 kg



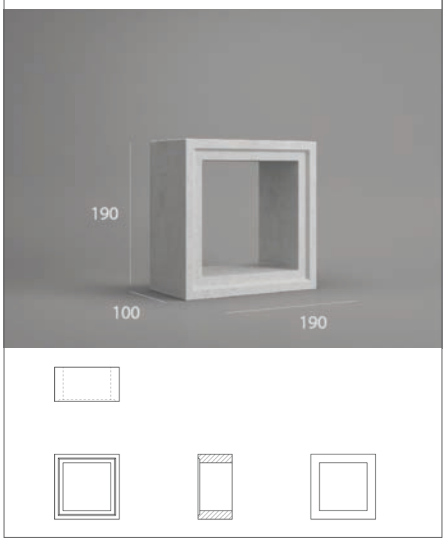
VB 191.100
± 4.5 kg



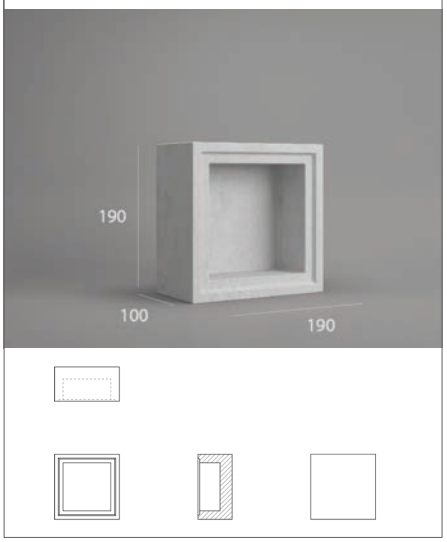
VB 1912.100
± 4.0 kg



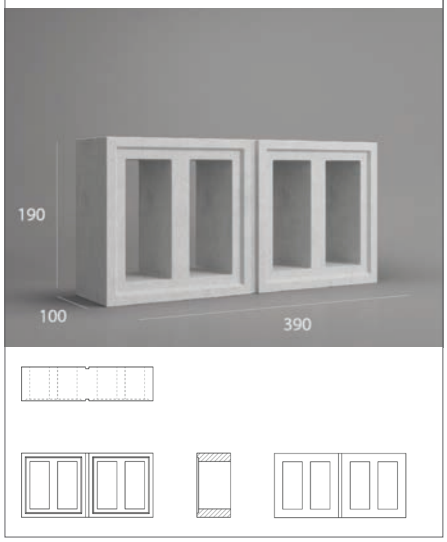
VB 1915.100
± 3.5 kg



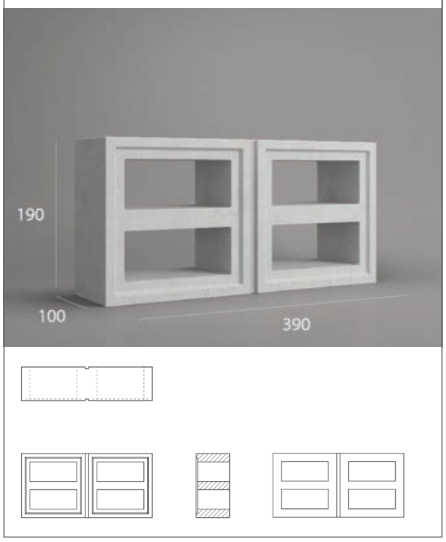
VB 1915.100C
± 4.5 kg



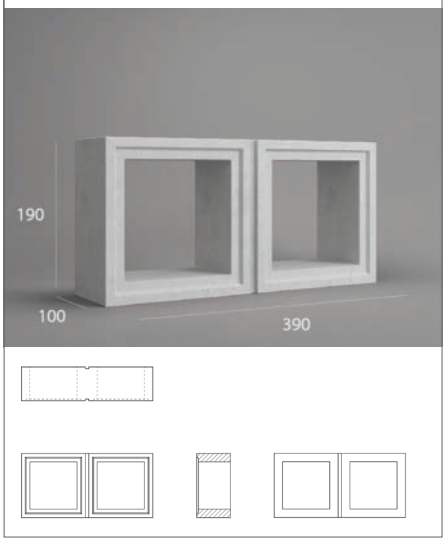
VB 3912.100
± 9.0 kg



VB 3914.100
± 9.0 kg

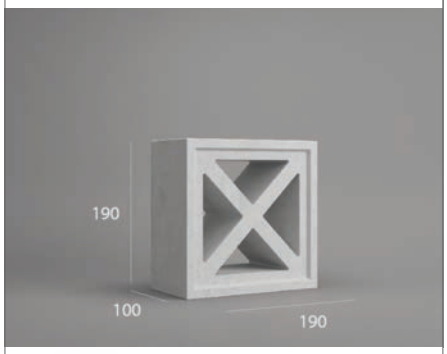


VB 3915.100
± 8.0 kg

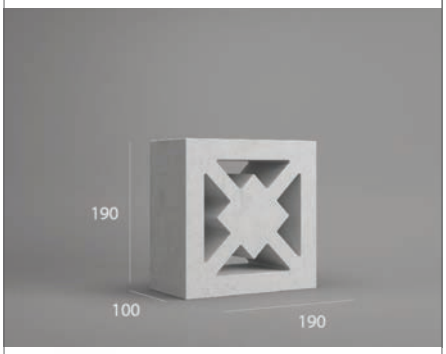


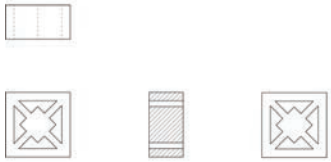
Ventilation Block

VB 401.100
± 5.5 kg

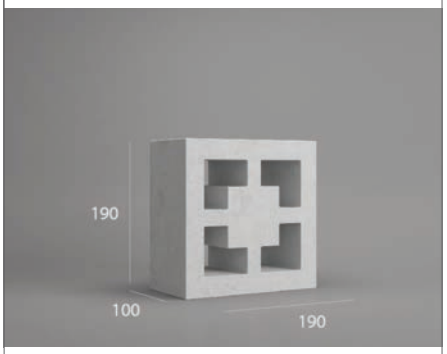


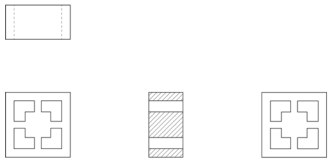
VB 403.100
± 6.0 kg



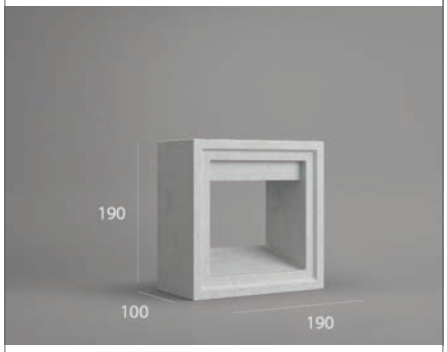


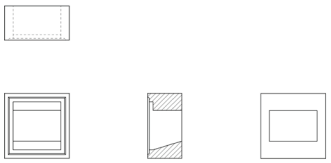
VB 404.100
± 6.0 kg



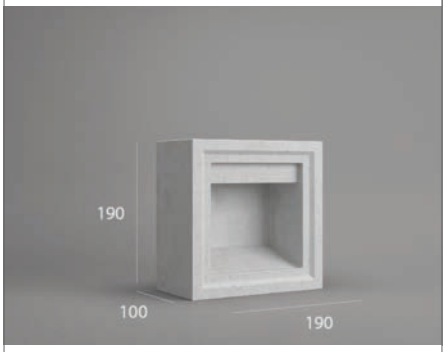


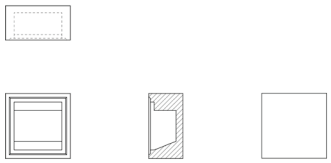
VB 196.100
± 4.0 kg



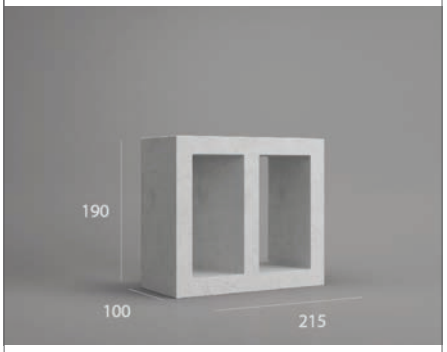


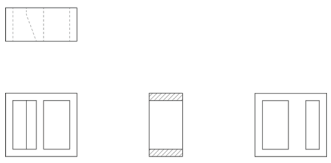
VB 197.100
± 5.5 kg



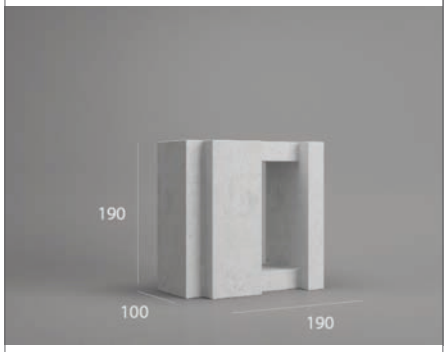


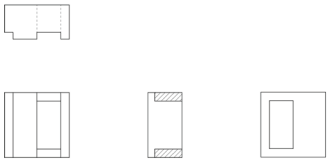
VB 603.100
± 5.0 kg



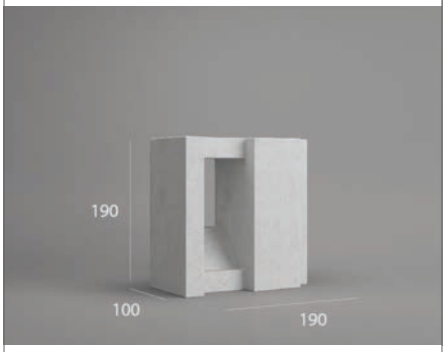


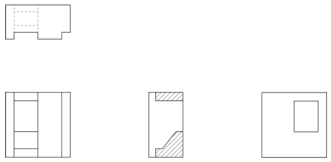
VB 198.100
± 6.0 kg



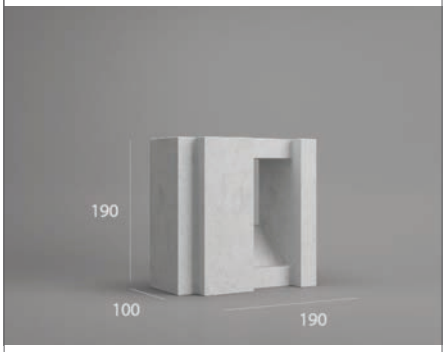


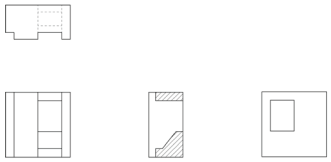
VB 1982.100L
± 5.5 kg



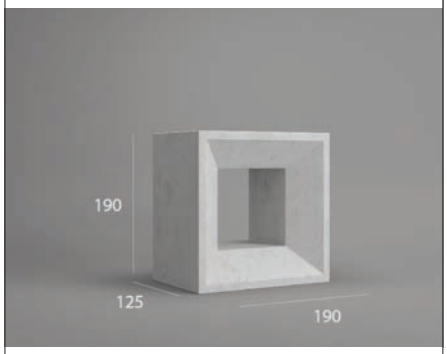


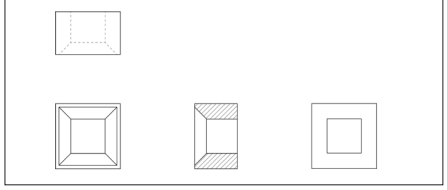
VB 1982.100R
± 5.5 kg



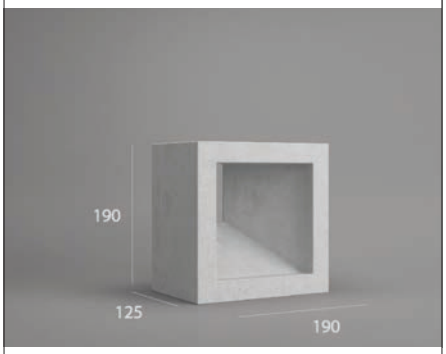


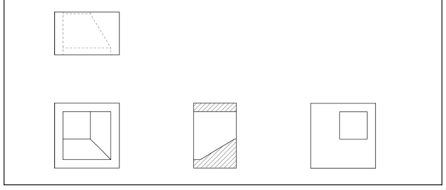
VB 190.45
± 6.0 kg



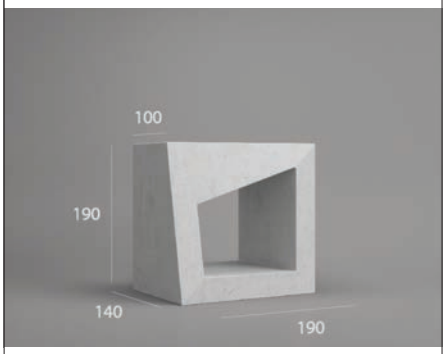


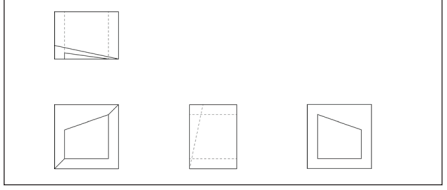
VB 190.68
± 6.0 kg



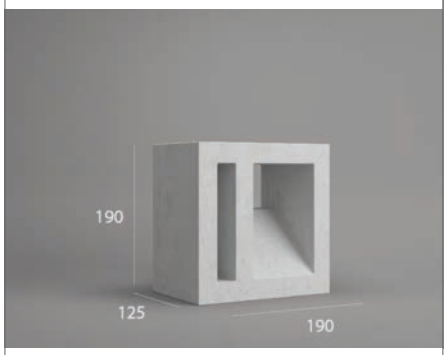


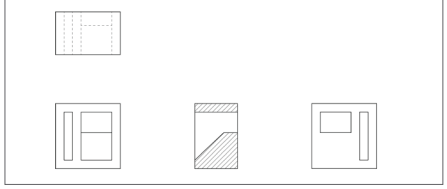
VB 194.140
± 5.5 kg



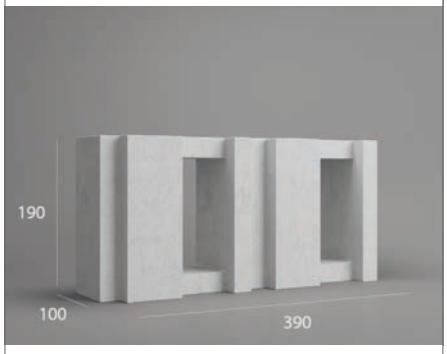


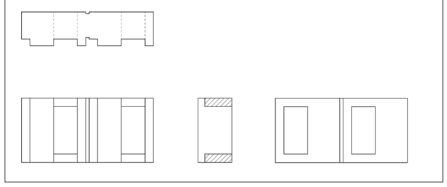
VB 199.125
± 6.0 kg



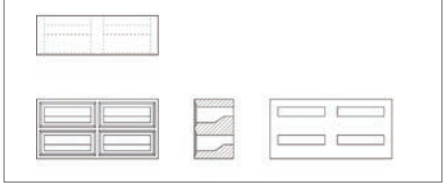


VB 398.100
± 11.0 kg



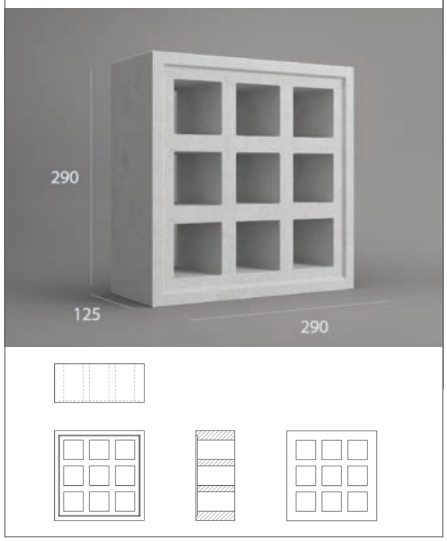


VB 504.125
± 12.5 kg

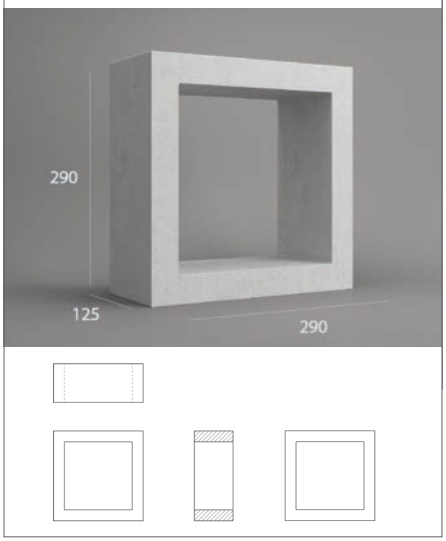


Ventilation Block

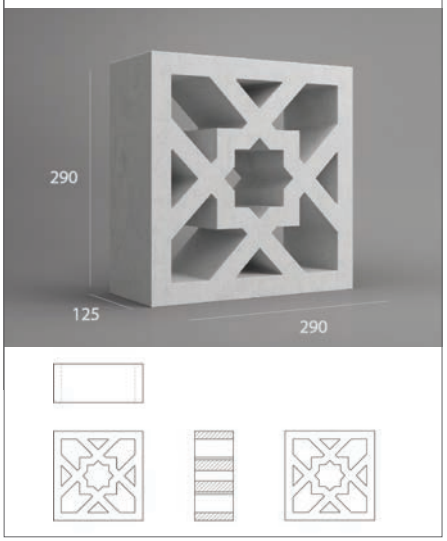
VB 301.125
± 13.0 kg



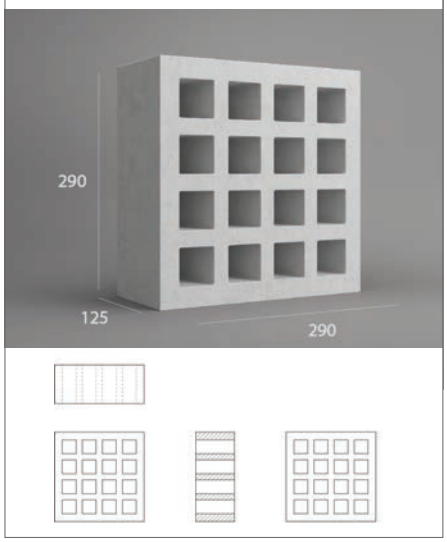
VB 303.125
± 9.5 kg



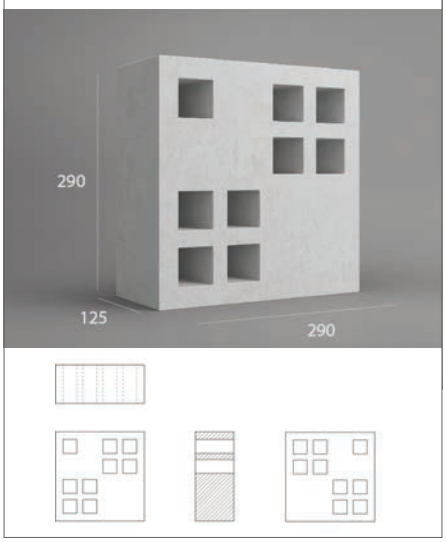
VB 304.125
± 13.5 kg



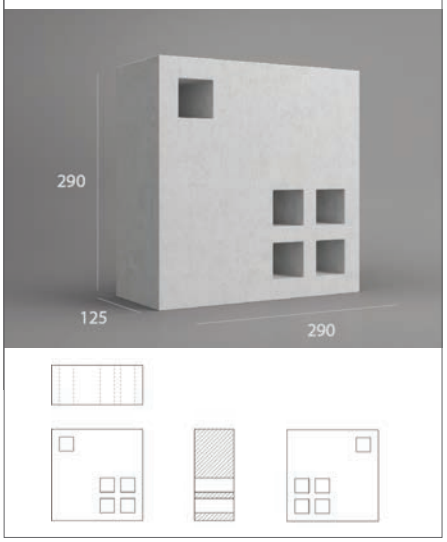
VB 302.125
± 13.5 kg



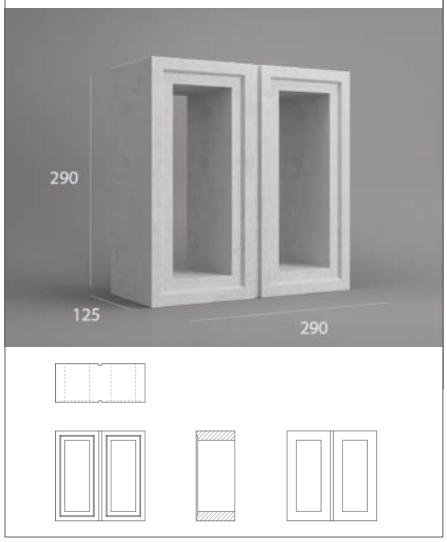
VB 302.125B
± 16.5 kg



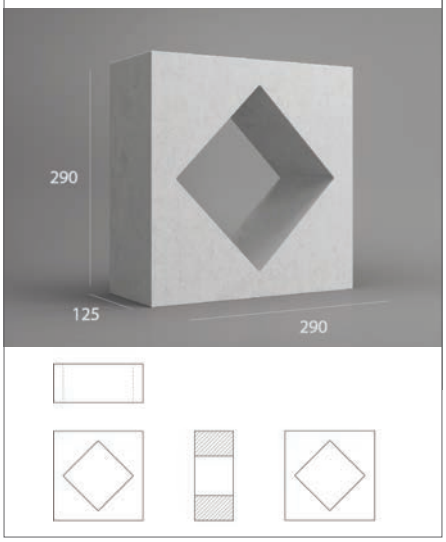
VB 302.125C
± 17.5 kg



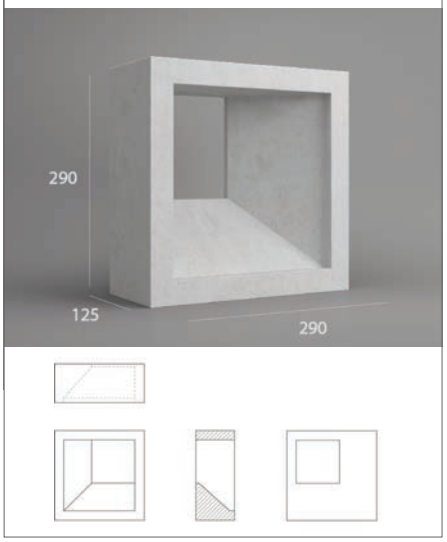
VB 305.125
± 12.5 kg



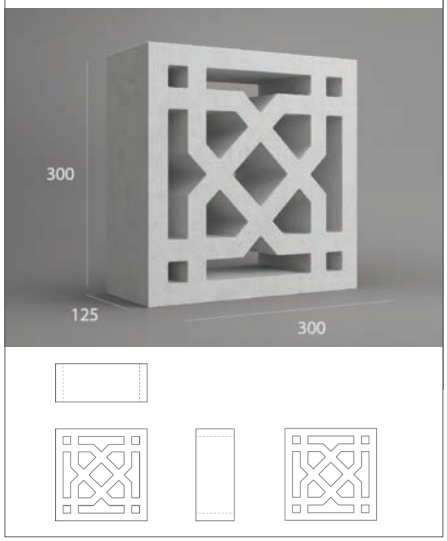
VB 306.125
± 16.5 kg



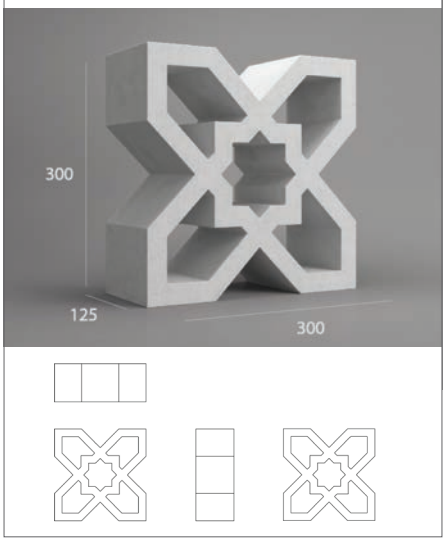
VB 308.125



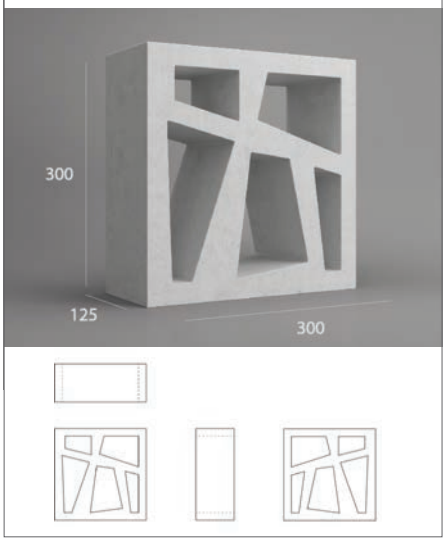
VB 601.125
± 14.5 kg



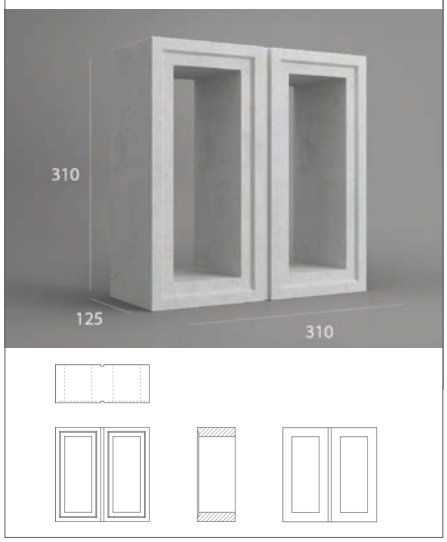
VB 602.125
± 14.5 kg



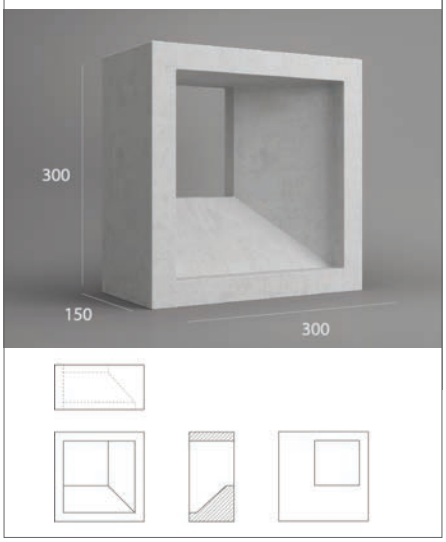
VB 604.125
± 13.5 kg



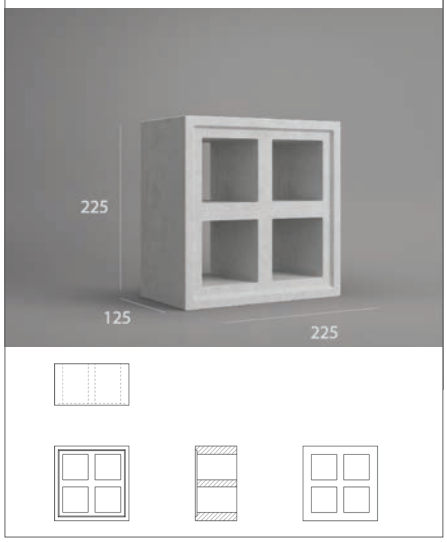
VB 605
± 12.5 kg



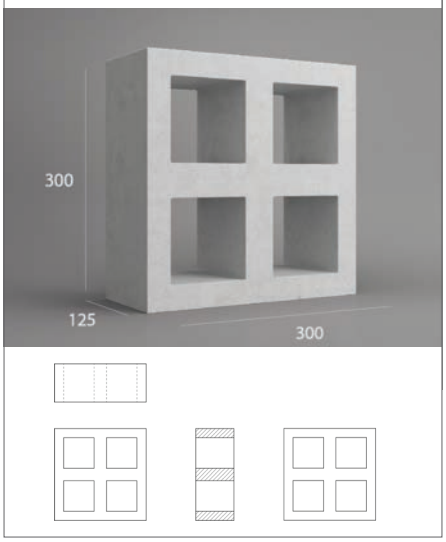
VB 608.150
± 16.0 kg



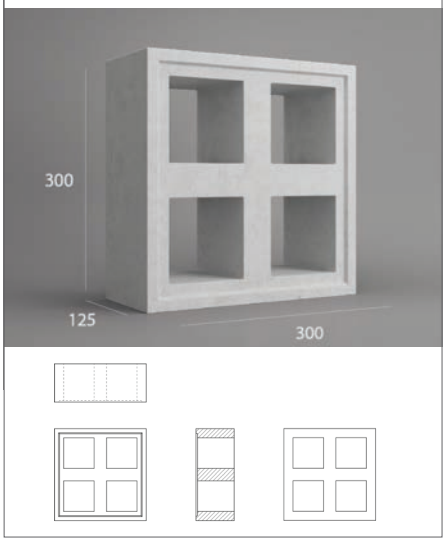
VB 225.125
± 7.0 kg



VB 402.125
± 12.5 kg

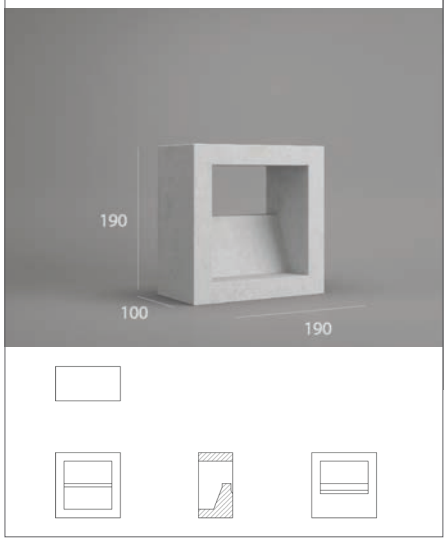


VB 412.125
± 12.5 kg

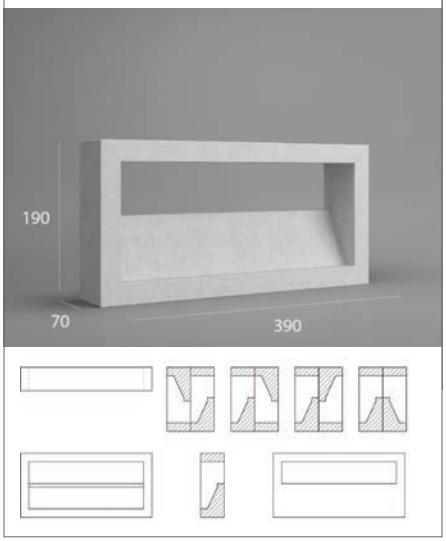


Ventilation Block

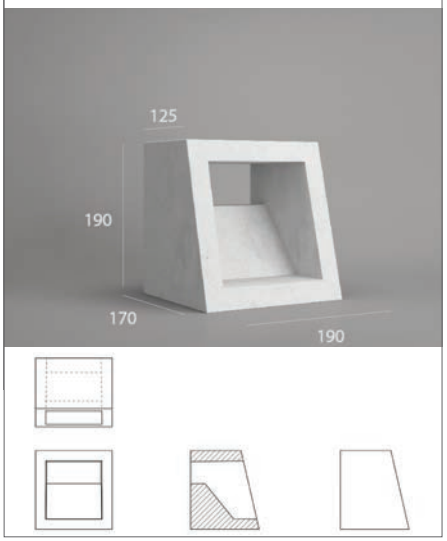
VB 70.105
± 5.0 kg



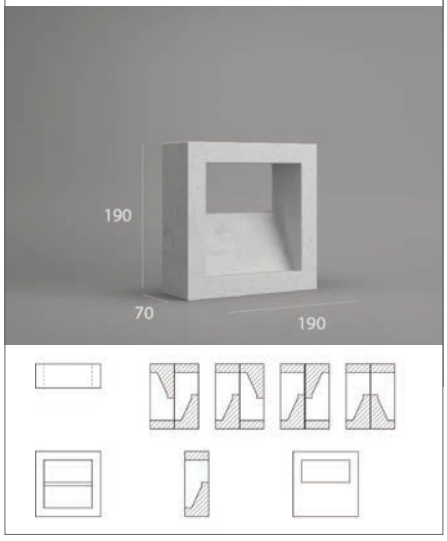
VB 70.01
± 6.0 kg



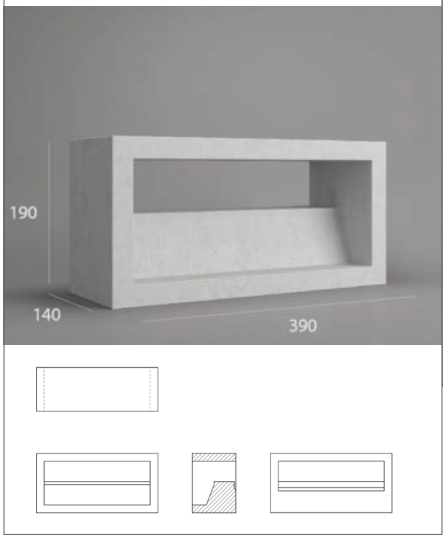
VB 70.195 A
± 6.5 kg



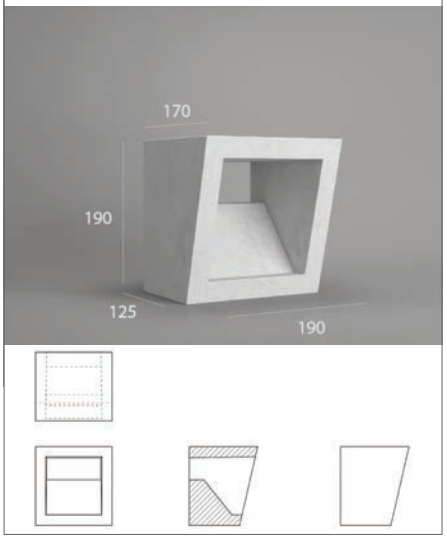
VB 70.05
± 3.0 kg



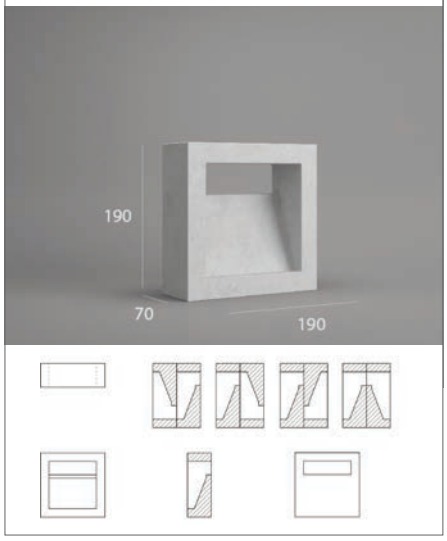
VB 70.140
± 12.0 kg



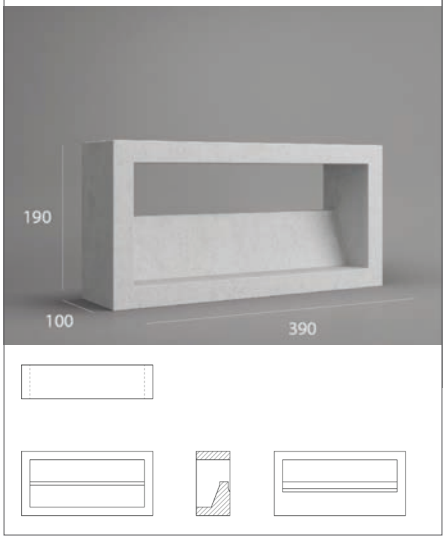
VB 70.195 B
± 6.5 kg



VB 70.05A
± 3.5 kg

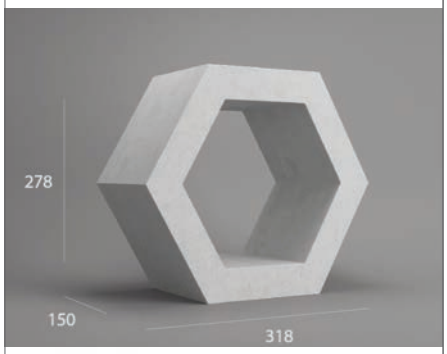


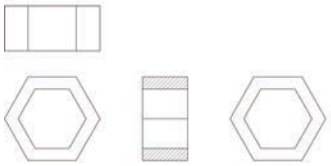
VB 70.100
± 8.5 kg



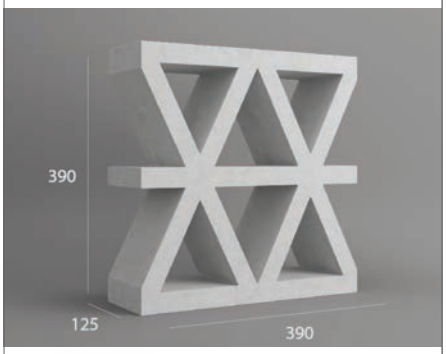

VB 70.105

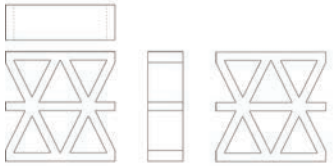
VB 506.150
± 10.0 kg



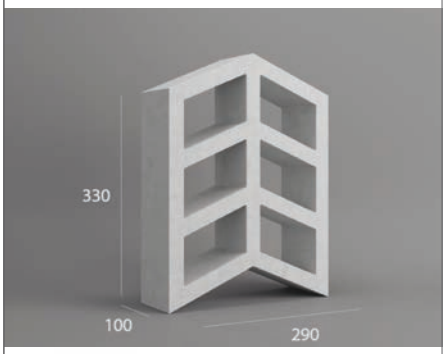


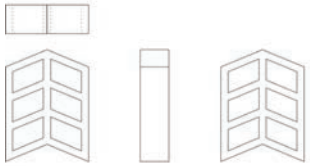
VB 606.125
± 20.0 kg



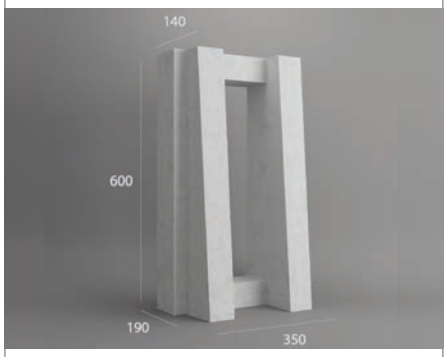


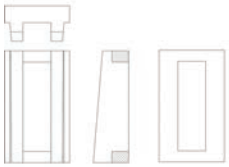
VB 607.100
± 10.5 kg



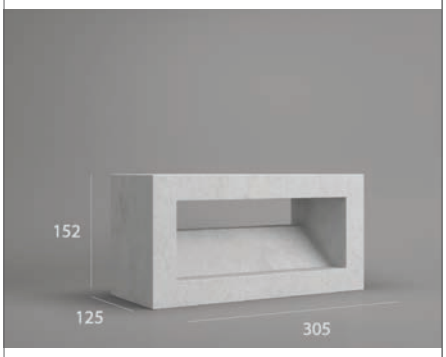


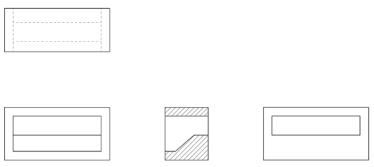
VB 600
± 41.0 kg



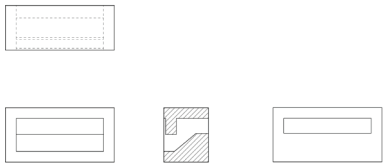


VB 501.125
± 8.0 kg

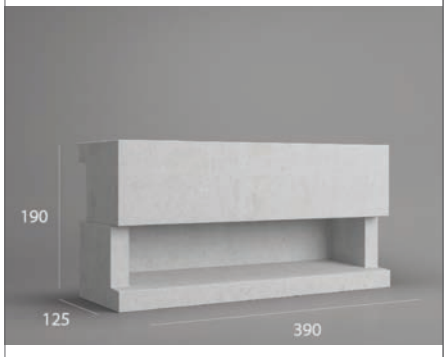


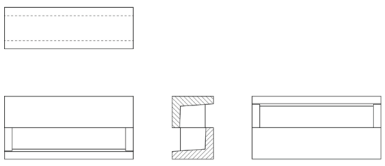


VB 224.125
± 8.0 kg

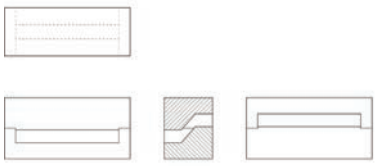


VB 221.125
± 12.0 kg

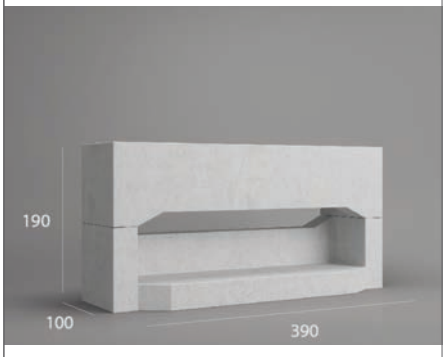


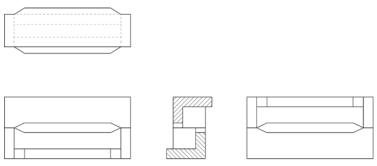


VB 222.150
± 19.0 kg



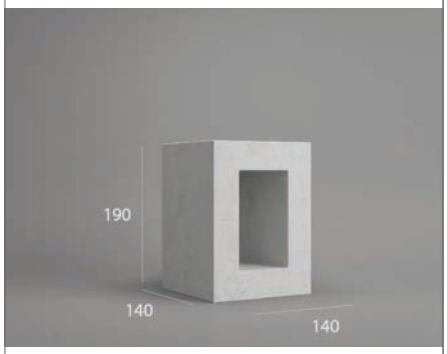
VB 223.100
± 9.0 kg

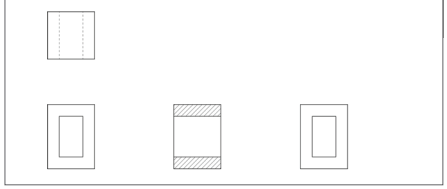




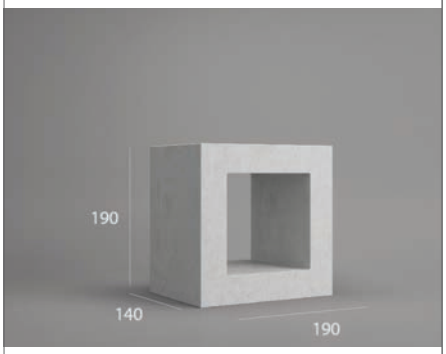
Ventilation Block

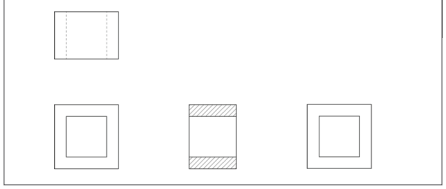
VB 140.140
± 4.5 kg



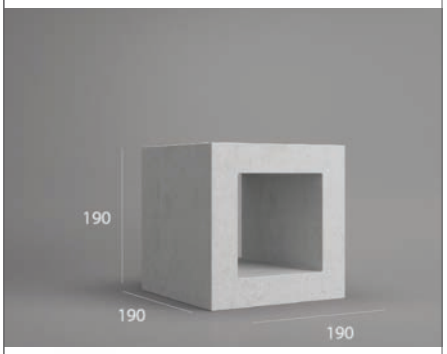


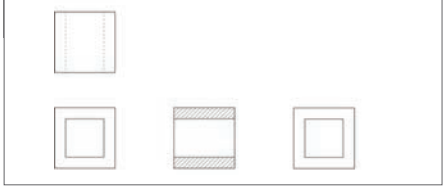
VB 190.140
± 6.0 kg



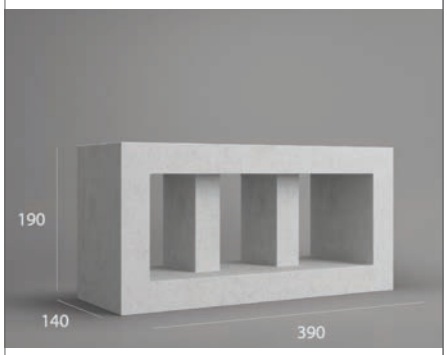


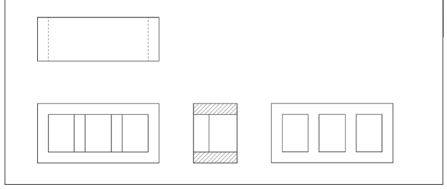
VB 190.190
± 8.0 kg



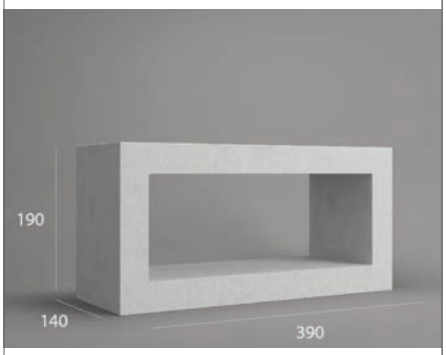


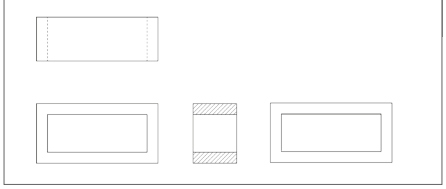
VB 140.33
± 11.0 kg



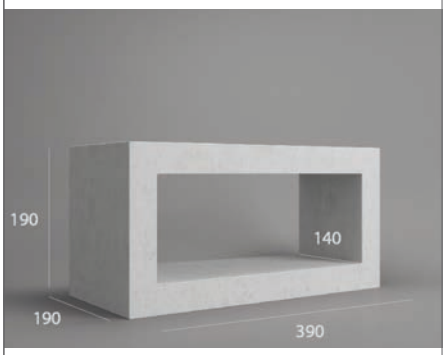


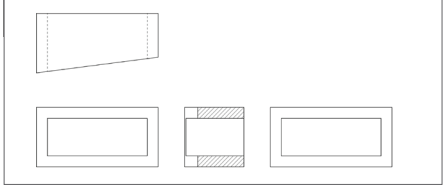
VB 140.34
± 10.5 kg



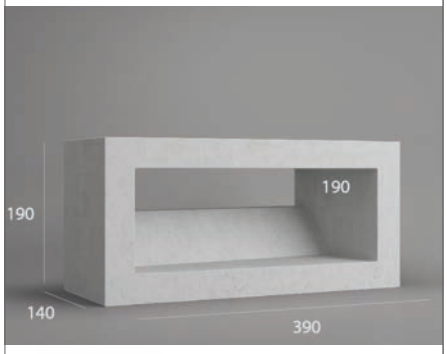


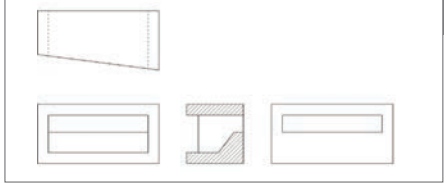
VB 150-200
± 12.0 kg



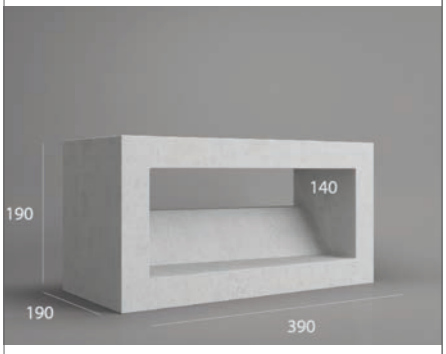


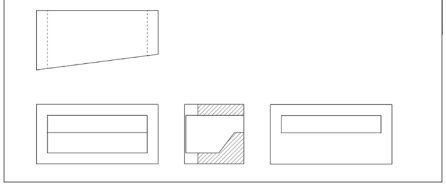
VB 140-190L
± 14.5 kg



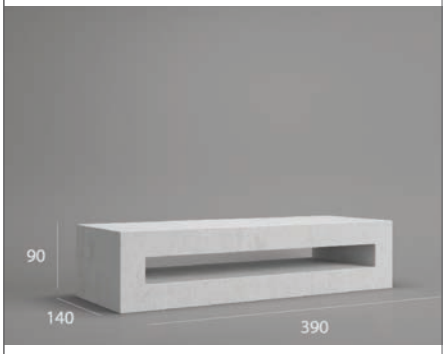


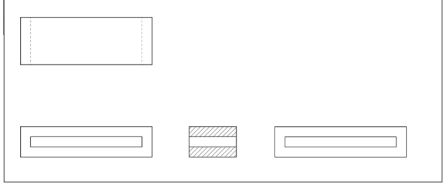
VB 140-190R
± 14.5 kg

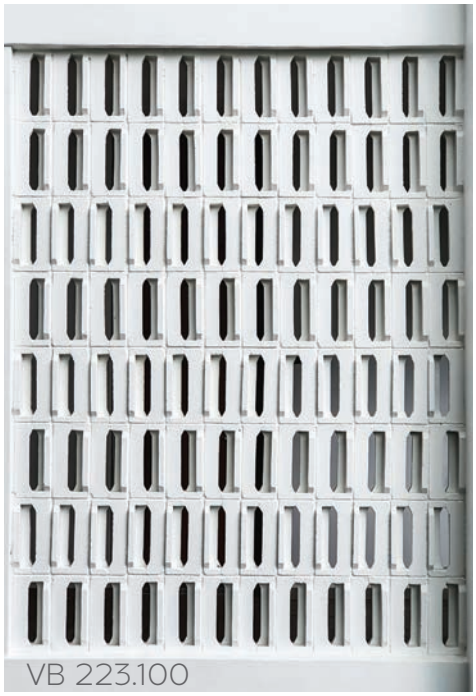




VB 940.140
± 7.5 kg






VB 223.100


VB 223.100

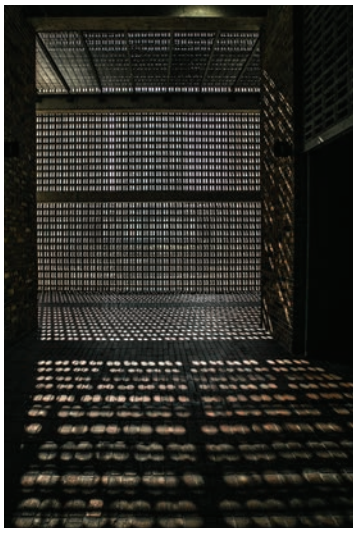

VB 223.100


VB 223.100


VB 223.100


VB 223.100

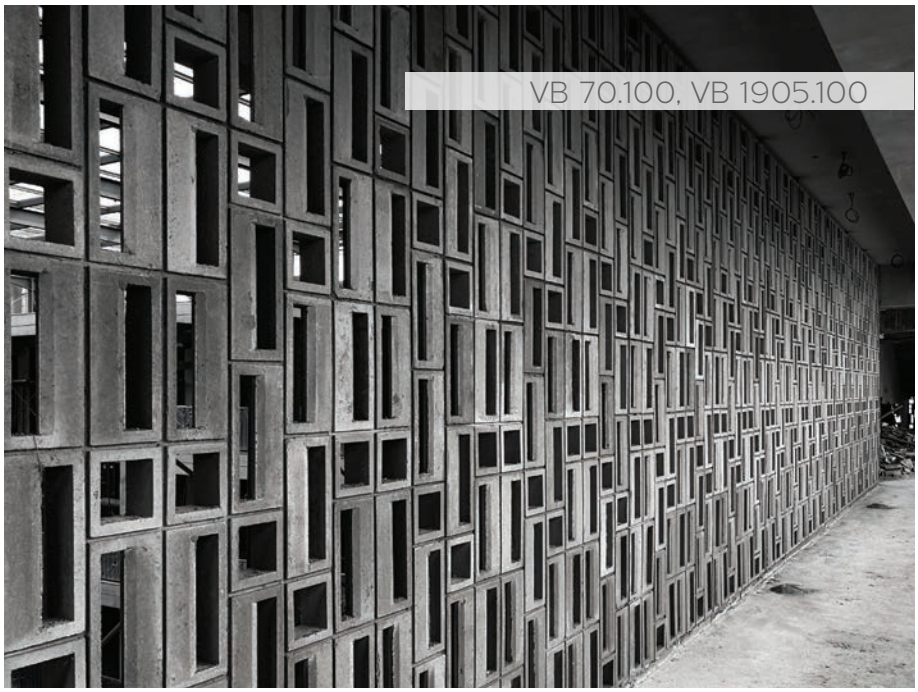
VB 1912.100, VB 1915.100

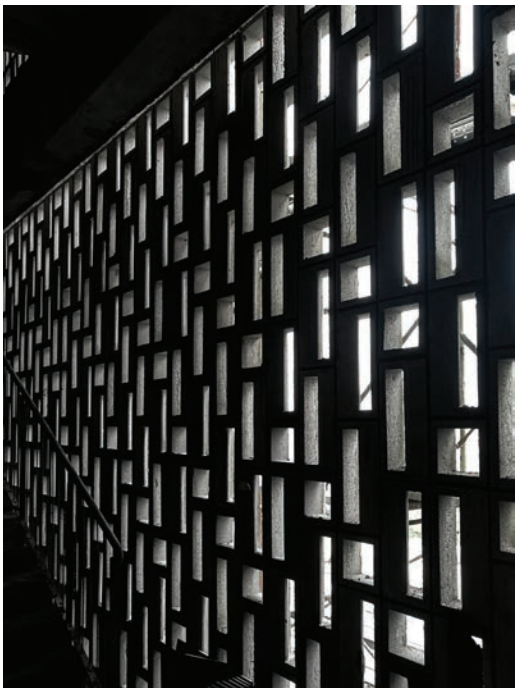


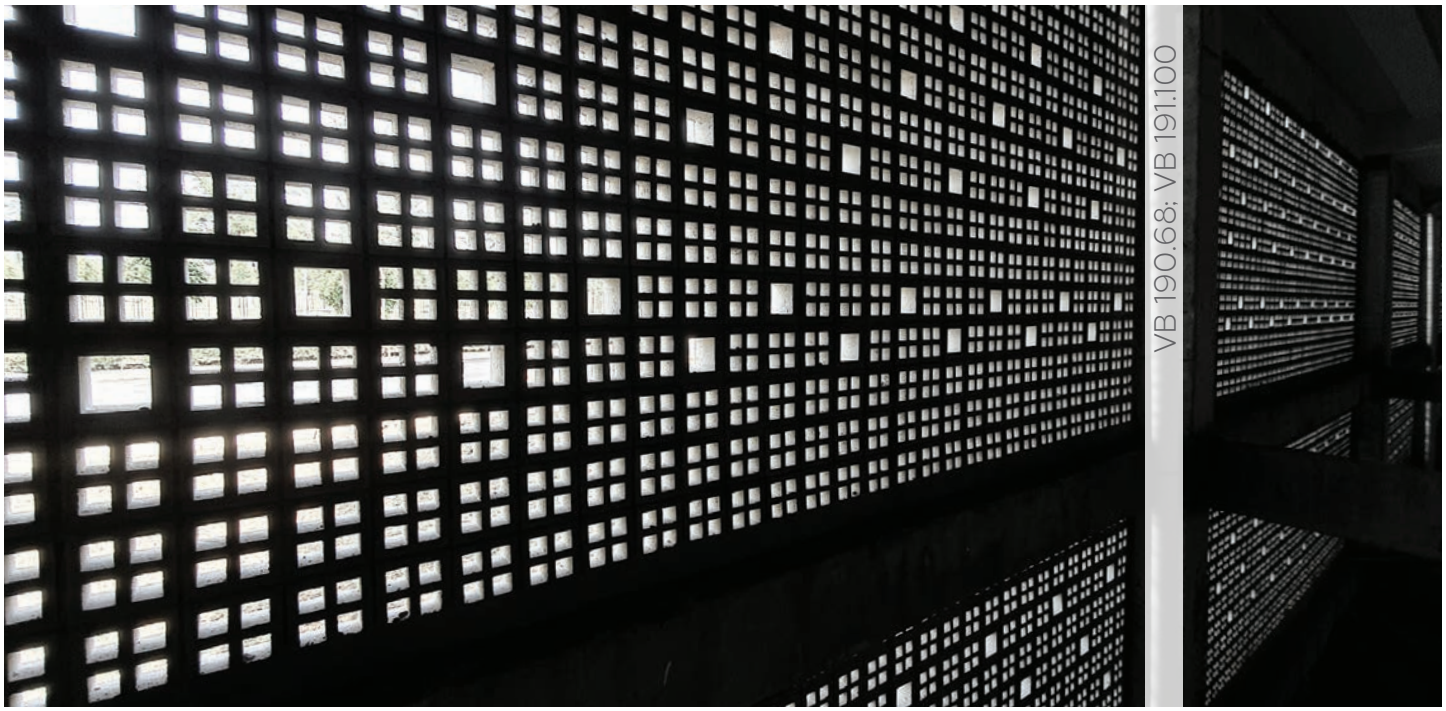
VB 140.33, VB 140.34

VB 191.100, VB 196.100

VB 197.100, VB 196.100


VB 70.100, VB 1905.100





VB 190.68; VB 191.100

VB 190.68

VB 190.140

VB 140.34, VB 70.140

VB 70.195

1. Mortar Mixes

1.1 Sand shall be washed and free from clay, chalk, shells, organic materials and other impurities.
1.2 Ratio for the mix should be 1 part Ordinary Portland Cement : 3 part sand (1:3).
1.3 The ingredients shall first be mixed dry before water is added to the mix.
1.4 Mortar shall be used within 30 minutes of mixing. No mortar, which has achieved its initial set, shall be used in the work, and no water is to be added to the mortar, after the initial mix.

2. Block Work

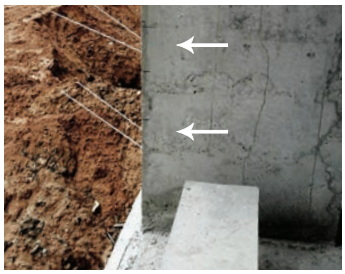
2.1 The area is to be cleaned, all loose materials to be removed.
2.2 Keep a maximum of 6 courses being built in a section in any one day.
2.3 Block shall be built in stretcher bond unless otherwise specified.
2.4 Where block work abuts structural concrete columns or walls it shall be tied to the concrete with dowel bar or rebar as per positions indicated on the drawings, unless otherwise specified.
2.5 Use wire mesh at every interval of 3 layers block heigh horizontally.
2.6 All units shall be laid on a full bed of mortar in perfectly horizontal courses. All vertical joints shall be in perfect vertical alignment and well filled by buttering the ends of the unit and then sliding into position against its neighbour.
2.7 Cutting of blocks shall be kept to a minimum. Cut with motor driven masonry saws, using either an abrasive or diamond blade. Cut neatly and located for best apprearance.
2.8 All joints shall be solidly filled and the thickness of the joints shall not exceed 10 mm.
2.9 All mortar joints shall be pointed out when thumbprint hard into a concave configuration unless otherwise specified.
2.10 Curing of block work should be done for at least 7 days.

Types of mortar joint :-

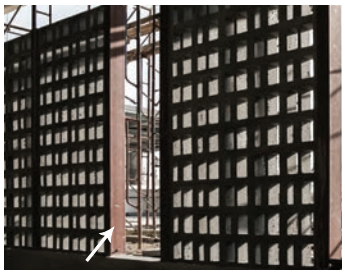
Flush Joint
- By using a flat edge trowel, create a single plane mortar joint with surrounding blocks.

Concave Joint
- By drawing a special pointing trowel through the joints, the raked joint is usually recessed 5mm from the surrounding blocks.

Designs of Stiffeners :-

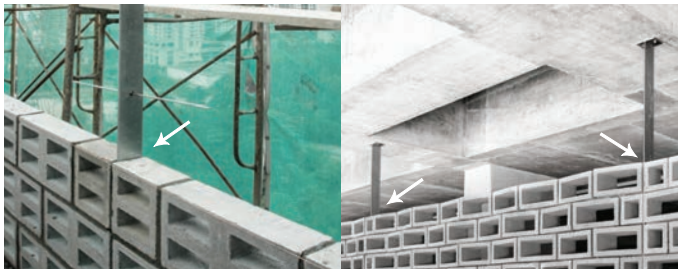


Starter bar with Wire Mesh

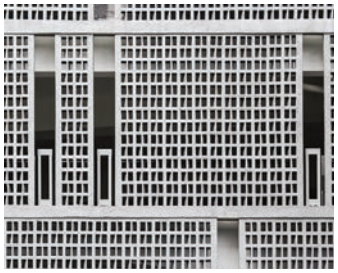


Rect hollow section at ends

Concrete stiffener at ends



Flat bars at center



Concrete beam with Latch

Key Feature

Consistent Size

Time saving - Easy to align

Less mortar used

Do not need extra mortar to adjust height differences

Double Cavity Wall

Good thermal & Sound Insulation

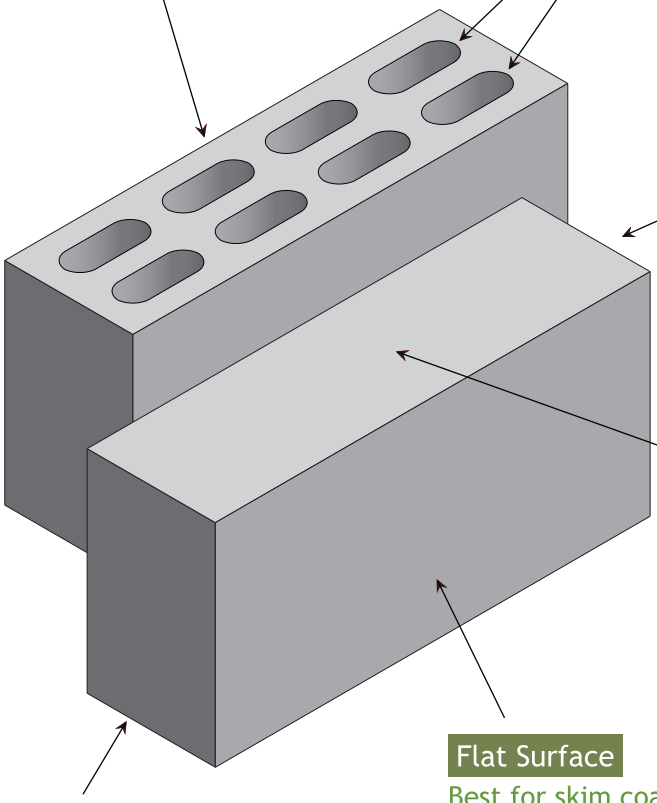
The cavities help insulating the building by acting as a thermal break between three walls.

Save foundation & structural cost

Lighter than normal cement sand brick wall

Spaces for utilities piping, suitable to apply skim coat

Piping can run in the cavities vertically and horizontally.



Wider Width

Provide sufficient width to fit door and window frames

Less plastering material used for extra wall thickness

115mm width which is 25mm bigger than cement sand brick's width.

Flat Mortar Bedding

Easy to apply mortar

Large bedding is sufficient to support block's weight

Stronger Wall

The protruded mortar provides extra strength for better stability

Flat Surface

Best for skim coat

Flat and even surface save the skim coat material.

Thin plastering is possible

Piping buried in the cavities do not require thick plastering to cover

Large Dimension

Less Unit Used & Fast Laying

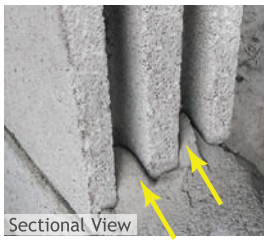
Large block size

SIRIM TESTED
2 HOURS
FIRE RATING

GB 115.01

MS
SIRIM

Certified to : MS 2282 - 3 : 2010
BS 476 : Part 22 : 1987
Certification No. : PC 002479



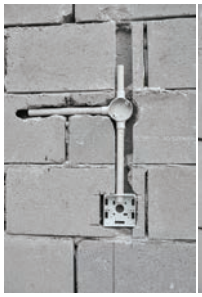
Easy to apply mortar on flat bedding, protruded mortar provides additional gripping strength

Possible to use SkimBond (thin bed motar)

Features

Concrete wall plug / wall anchor is possible

Fits most door frame and save plastering material



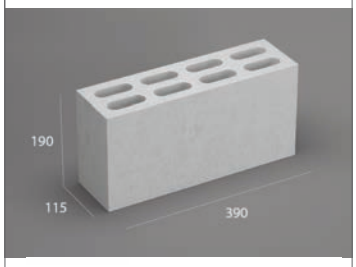
Easy to open channel for electrical and water piping

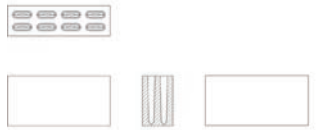
Flat and consistence surface finishes save skimcoat material

Method Statement

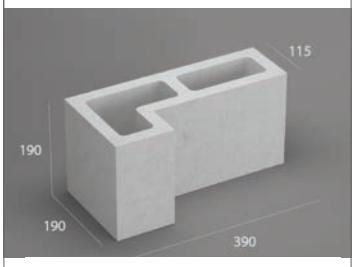
1. The area is to be cleaned, all loose materials to be removed.
2. Before starting of block work, the area is to be washed with water.
3. Block work shall raise the maximum of 6 courses in a section in any one day.
4. Walls shall be built in stretcher bond unless otherwise specified.
5. Cutting of blocks shall be kept to a minimum.
6. Cement mortar should be in the ratio of 1 part of cement: 3 part of sand. (1:3)
7. All units shall be laid on a full bed of mortar in perfectly horizontal courses. All joints shall be in perfect vertical alignment and well filled by buttering the ends of the unit and then sliding into position against its neighbour.
8. All joints shall be solidly filled and the thickness of the joints shall not exceed 10mm. All mortar joints shall be concave finished with the general face of the wall unless otherwise specified.
9. Hollow block at jambs, reveals of opening shall be filled solid with concrete.
10. Curing of block work should be done for at least 7 days.
11. Apply the plaster / skimcoat to the required thickness and finish.
12. Paint the plastered / skimcoated or unplastered finish according to the requirement. Matt finished PBM Water Repellent 0012 is recommended for surface protection on either painted or unpainted area.

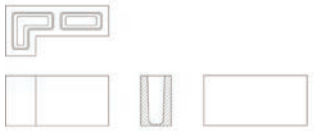
GB 115.01
± 12.5 kg



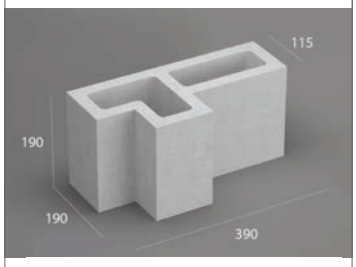


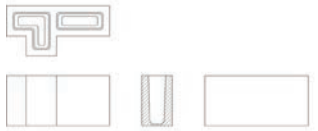
GB 115.01 L
± 12.5 kg



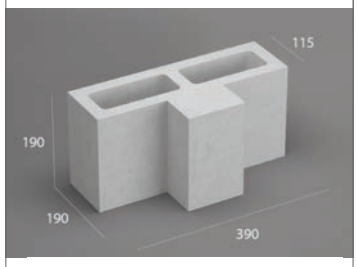


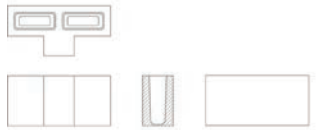
GB 115.01 P
± 12.0 kg



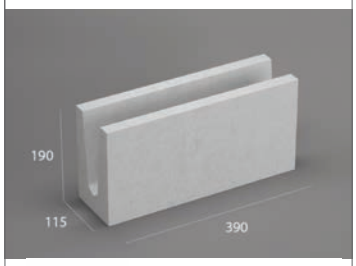


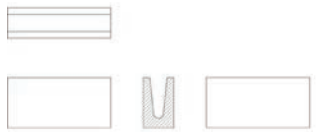
GB 115.01 T
± 15.0 kg



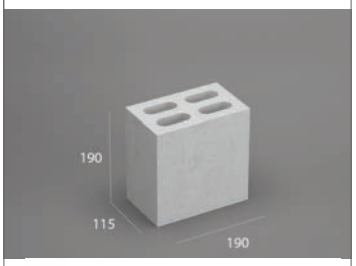


GB 115.01 U
± 13.0 kg

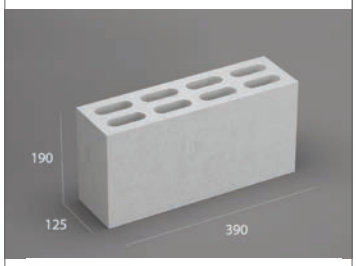


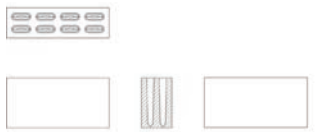


GB 115.03
± 6.5 kg

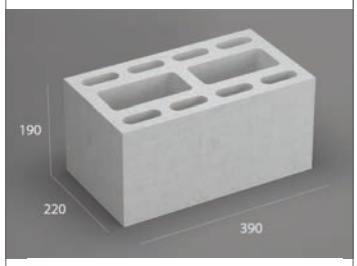


GB 125.01
± 13.5 kg

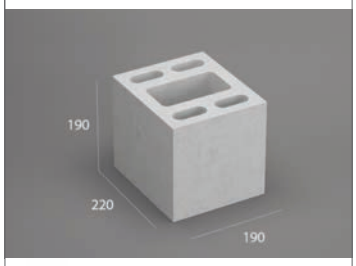




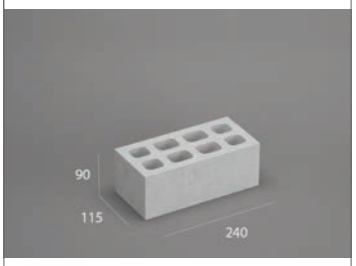
GB 220.01
± 20.0 kg



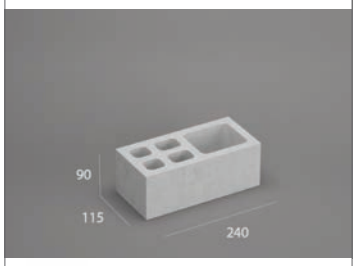
GB 220.03
± 10.0 kg



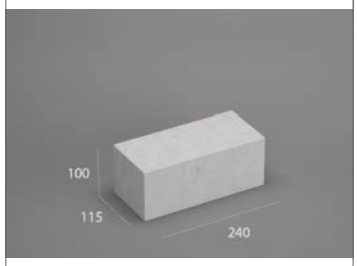
GenBrick
± 3.5 kg

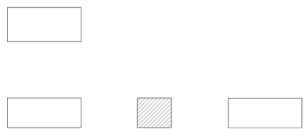


GenBrick Pillar
± 3.0 kg



SB 115.01
± 5.5 kg

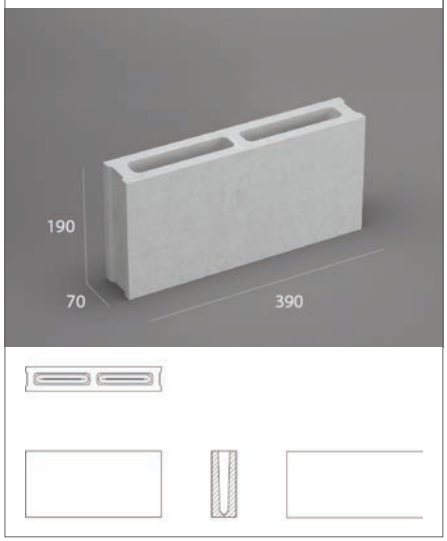




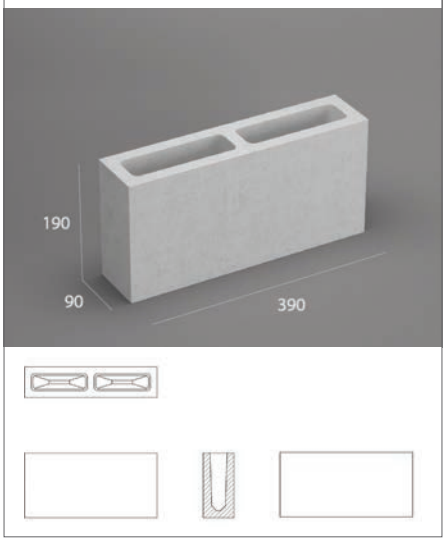
Applications:-

- Infill wall for cast-in-situ project
- Swiftlets Farm House
- Low Cost Load Bearing Wall
- Perimeter Security Fencing
- Sound Barrier Wall & etc

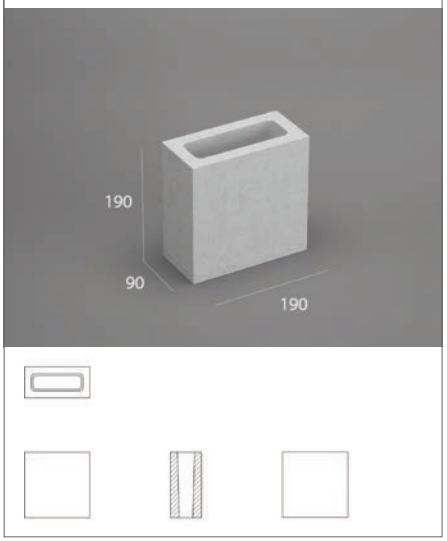
70.01
± 7.0 kg



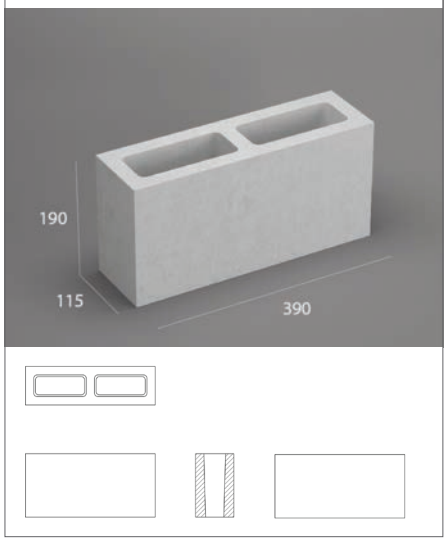
90.01
± 9.0 kg



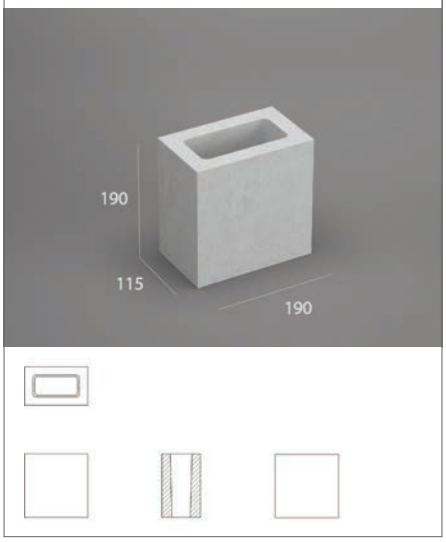
90.05
± 5.0 kg



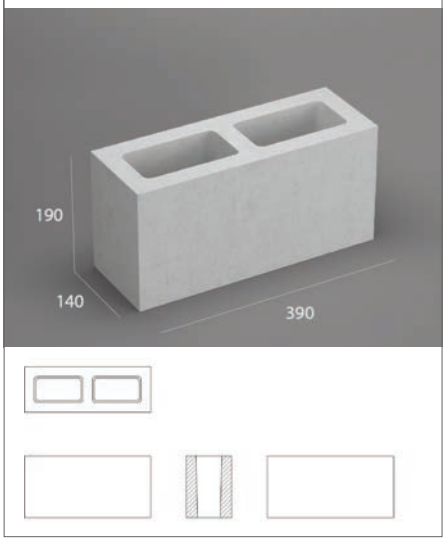
115.01
± 10.0 kg



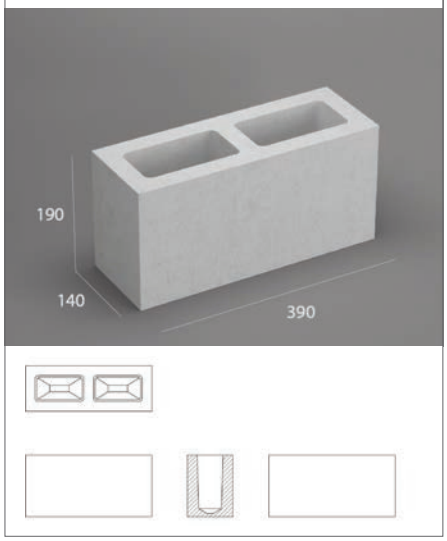
115.05
± 6.0 kg



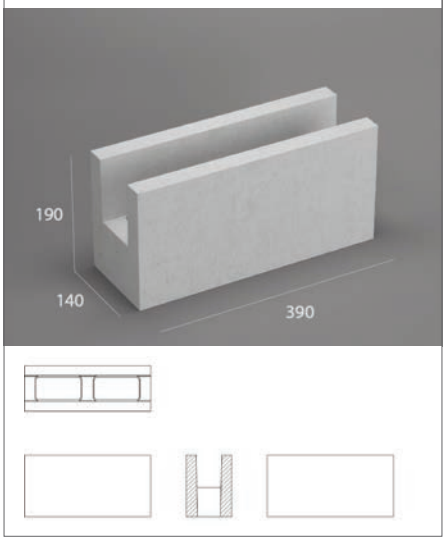
140.01
± 13.0 kg



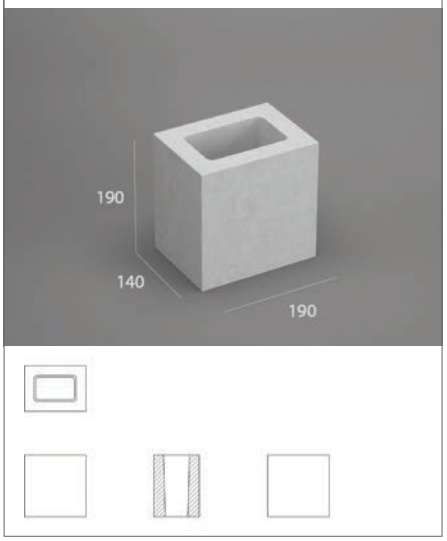
140.01(A)
± 13.0 kg



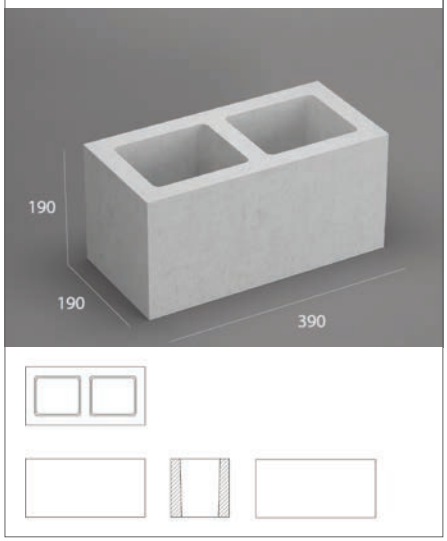
140.01(U)
± 13.0 kg



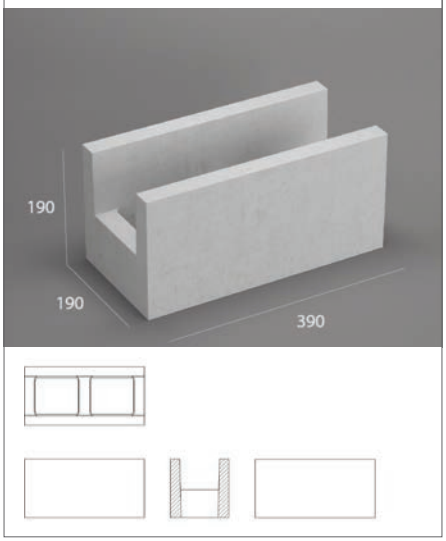
140.05
± 6.5 kg



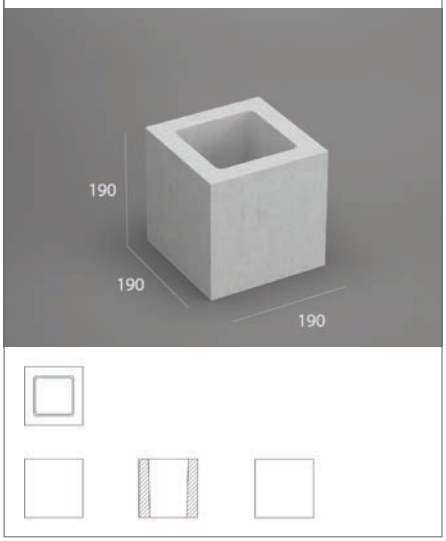
190.01
± 16.0 kg



190.01(U)
± 14.5 kg



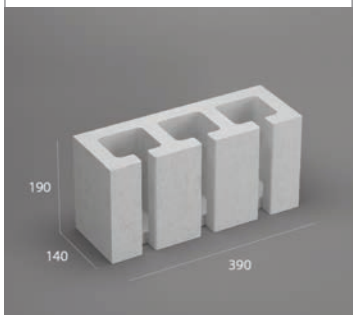
190.05
± 7.5 kg



Project References

Acoustic Block

AB 140.01
± 12.0 kg

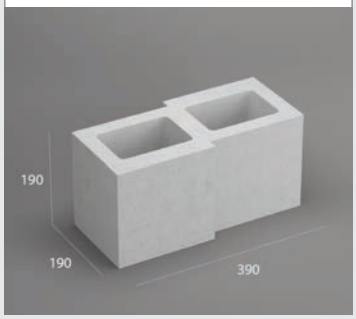


AB 140.01

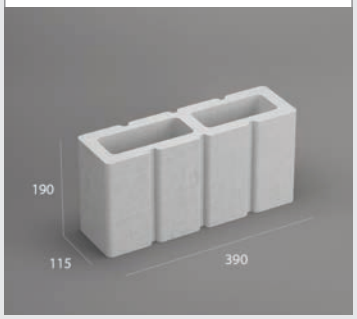
Architectural Block

Checker Block

CB 19001
± 16.0 kg

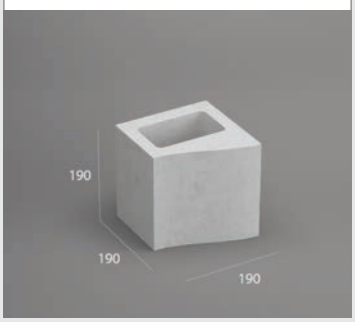


F 08200
± 9.6 kg

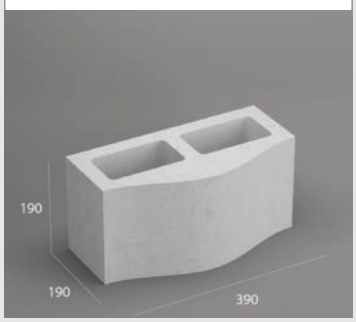


Wave Block

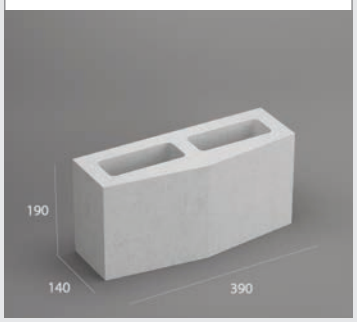
W 01100
± 8.0 kg



W 01200
± 18.0 kg

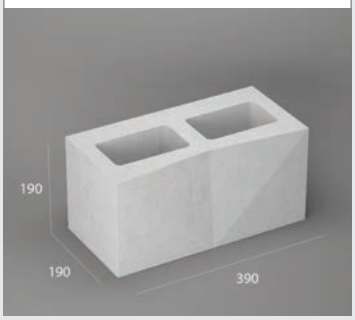


W 02200
± 14.0 kg

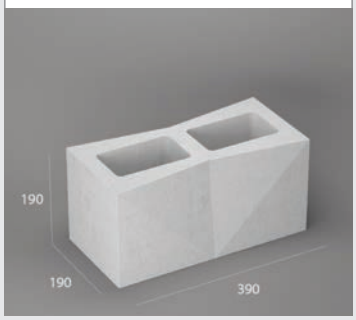


Diamond Block

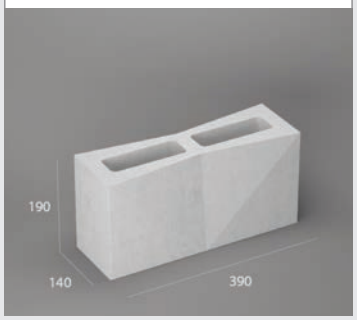
D 04200
± 17.0 kg



D 08200
± 19.0 kg

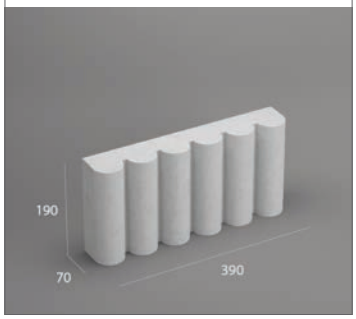


D 58200
± 14.0 kg

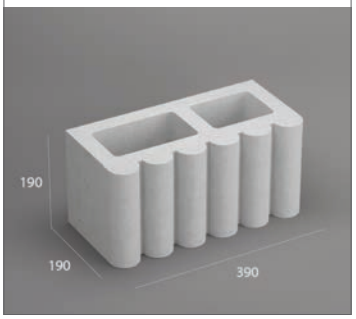


Fluted Block

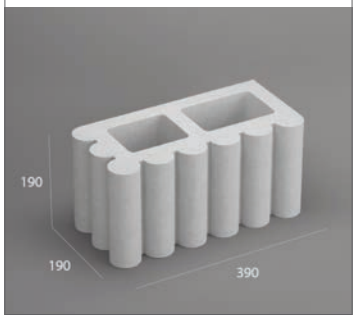
F 06000
± 10.0 kg



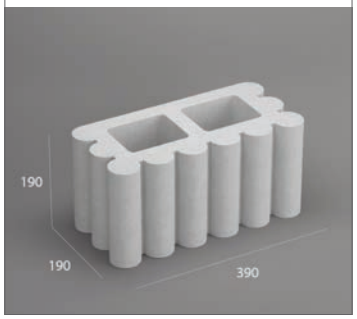
F 06200
± 18.0 kg



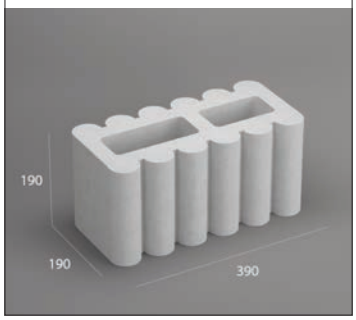
F 09200
± 19.5 kg



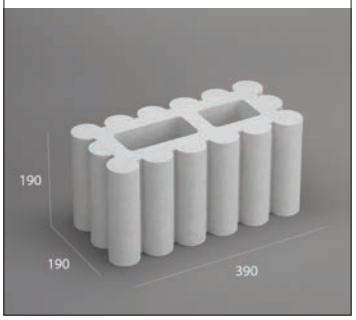
F 10200
± 19.0 kg



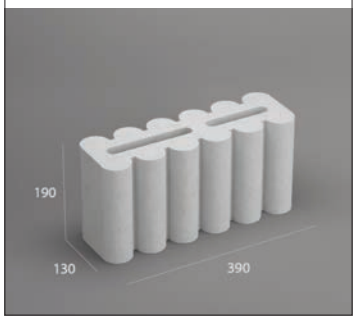
F 12200
± 20.0 kg



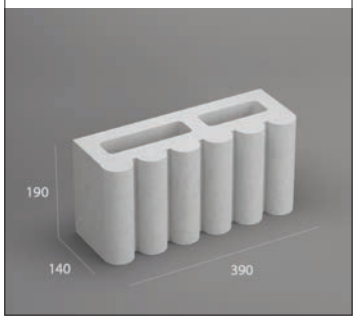
F 18200
± 19.0 kg



F 51200
± 15.0 kg

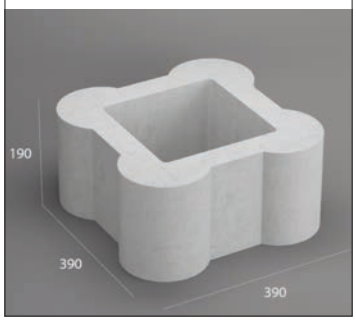


F 66200
± 16.0 kg

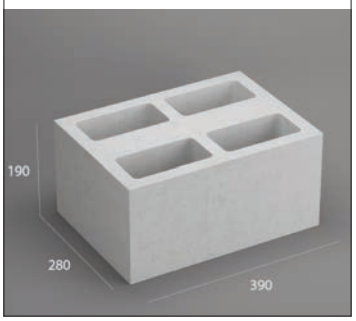


Accessories

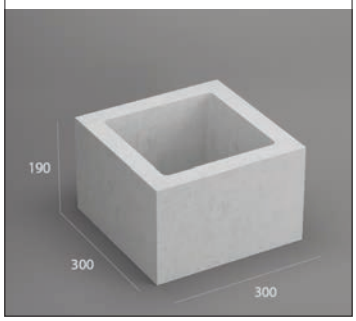
1616 - Column
± 31.5 kg



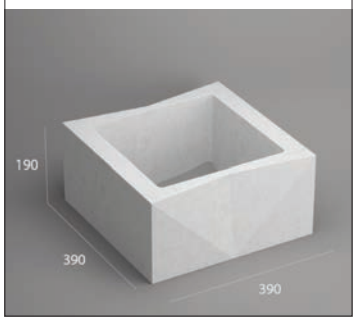
280.01 - Column
± 28.0 kg



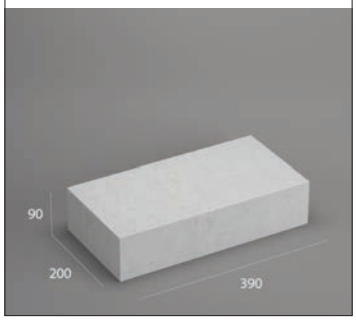
3030 - Column
± 16.0 kg



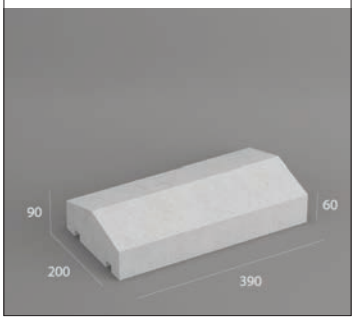
D3939 - Column
± 24.0 kg



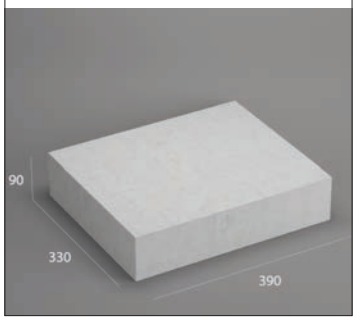
T200 - Capping
± 14.0 kg



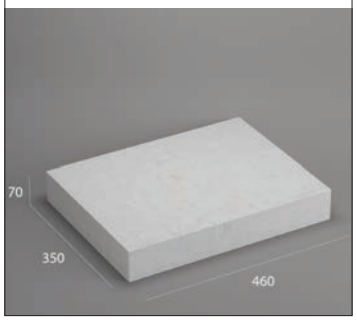
T201 - Capping
± 16.0 kg



T330 - Topping
± 27.0 kg



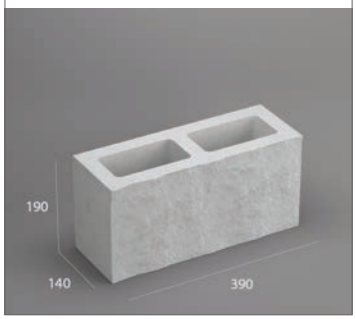
T350 - Topping
± 23.0 kg



Split Face Block

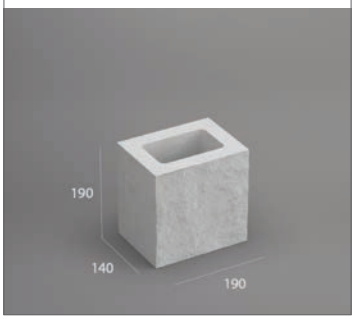
SF 140.01 (Single Face)
± 14.5 kg

SF 140.02 (Double Face)
± 17.0 kg



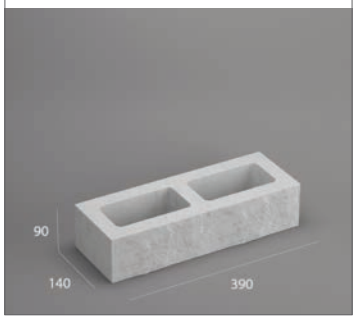
SF 140.03 (Single Face)
± 7.5 kg

SF 140.04 (Double Face)
± 8.5 kg



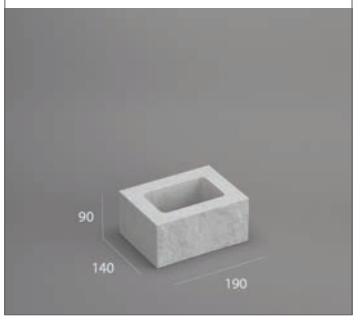
SF 140.21 (Single Face)
± 6.5 kg

SF 140.22 (Double Face)
± 6.5 kg

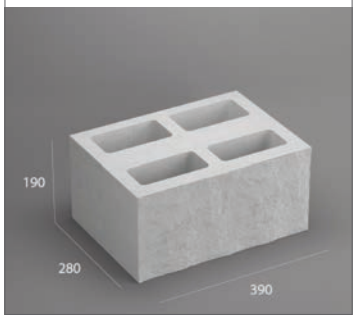


SF 140.23 (Single Face)
± 3.5 kg

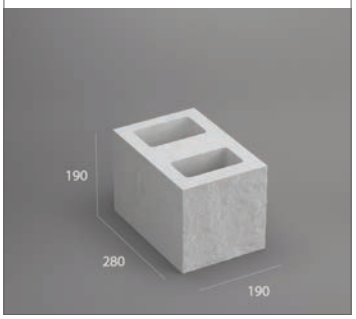
SF 140.24 (Double Face)
± 3.5 kg



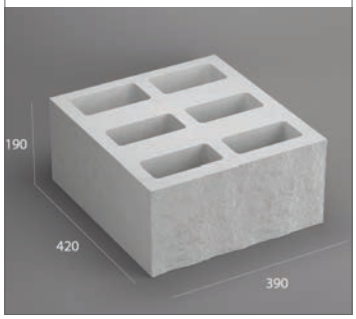
SF 280.01 (Single Face)
± 30.0 kg



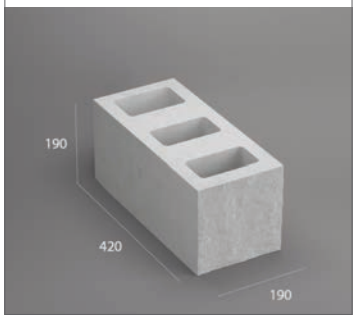
SF 280.03 (Single Face)
± 15.0 kg



SF 420.01 (Single Face)
± 44.0 kg

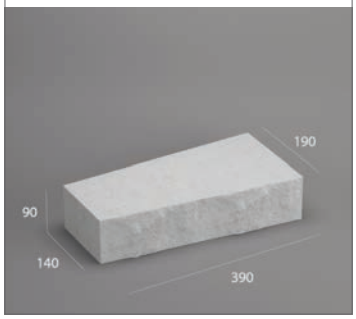


SF 420.03 (Single Face)
± 23.5 kg

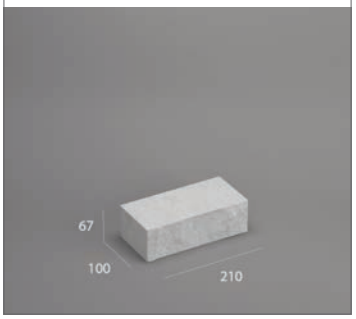


Split Face Brick

SFB 140-190
± 13.5 kg

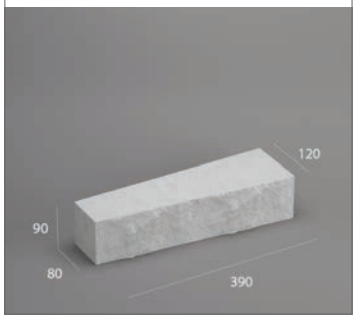


SFB 210.01
± 3.0 kg

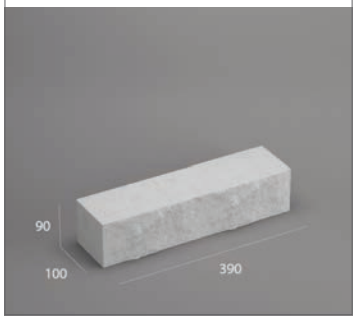


SFB 210.05
± 3.0 kg

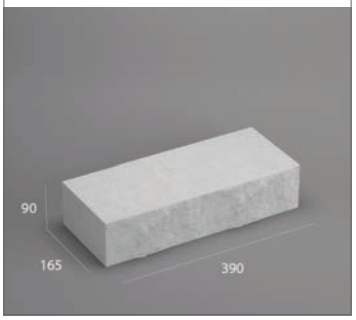
SFB 90-390
± 6.5 kg



SFT 100
± 8.5 kg



SFT 165
± 13.0 kg



SFT 330.2
± 13.0 kg