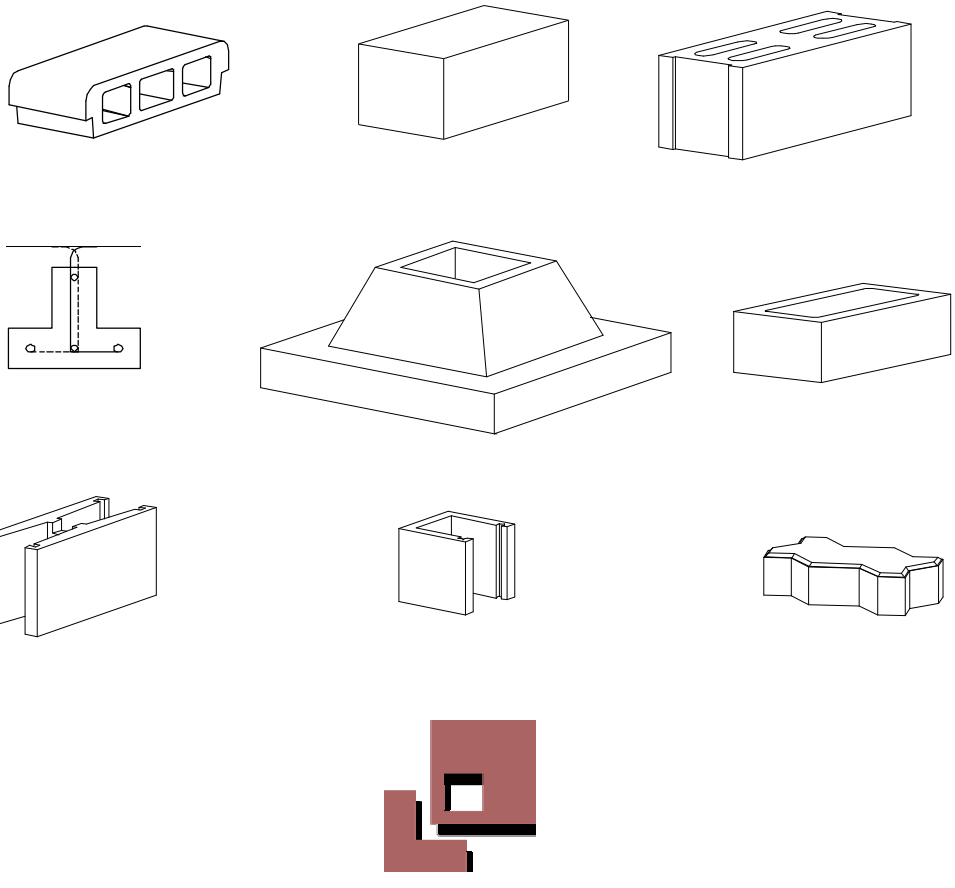
Cristo Blocks

CONCRETE BLOCKS, CONCRETE BUILDING COMPONENTS

PROFILE



New No. 111 (137-A), Nelson Manickam Road, Mehta Nagar, Chennai, TN. 600029
Phone: 2374 0155, 5537 7720 TeleFax: 2374 3598
Email: cristobuilders@gmail.com

INTRODUCTION

This company was started mainly as a supplementary for the **CRISTO BUILDERS**. Here we manufacture Concrete blocks, Paver Block, Precast concrete components to aid in the construction. These components are strong and have a strength equal to the ISI standard (see strength test results provided). They are very cost effective, long lasting and apt for seismic zones.

CRISTO BLOCKS have come up with new and innovative types of blocks so as to reduce the use of formwork thus reducing the cost of the building and increasing the speed of work with high accuracy giving an aesthetic work.

WHY CONCRETE BLOCKS

The consumption of cement mortar and expenditure will be significantly reduced. The speed of construction will be greatly increased if *Concrete building components* are used to replace conventional in-situ concrete products.

One single *Concrete Blocks* can be used in place of 10 clay bricks.

The *Concrete Blocks* manufacturing process is environment friendly, compared to clay brick, that involves ecologically unsound firing process.

Concrete Blocks offer good thermal and acoustic insulation due to the air columns created by the hollow space. Hence the air-conditioning and insulation costs come down substantially.

Concrete Blocks absorbs less water than conventional clay bricks. External plastering is optional for buildings made with concrete blocks. Maintenance needed for buildings constructed with *Concrete Blocks* is very little or nil.

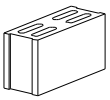
PROTECT ENVIRONMENT

Goventment of India notification 2003.....

....with a view to protect the environment around Coal or Lignite based thermal power plants from pollution and also with a view to preserve the natural resource i.e. clay which is being widely used for the manufacture of Bricks, the Government of India have ordered by notifications issued during 1999 as amended in 2003, that Fly-Ash Bricks should be used in the construction of masonry in lieu of conventional clay Bricks and the Government of India have set the target date, for cent-percent usage of Fly-Ash Bricks, in the construction of buildings, within a radius of 100 km from coal and thermal power plants, as 01.08.2007

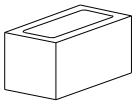
RANGE OF PRODUCTS

4" HOLLOW



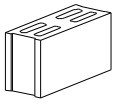
HOLLOW BLOCK
400 x 100 x 200
(16" x 4" x 8")

COLUMN BLK



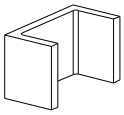
COLUMN BLOCK
400 x 200 x 200
(16" x 8" x 8")

6" HOLLOW



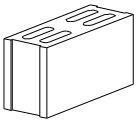
HOLLOW BLOCK
400 x 150 x 200
(16" x 6" x 8")

C16 - BLOCK



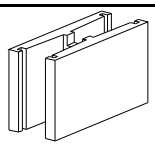
C16 - BLOCK
400 x 200 x 200
(16" x 8" x 8")

8" HOLLOW



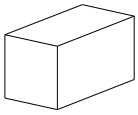
HOLLOW BLOCK
400 x 200 x 200
(16" x 8" x 8")

H-BLOCK



H - BLOCK 400 x 150 x 200
(16" x 6" x 8")

SOLID 4/6/8

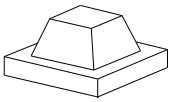


SOLID BLOCK
400 x 200 x 100/150/200
(16" x 8" x 4/6/8")

C- BEAM

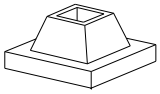
C - BEAM
6"x 4" Section
Length Upto 8'

FOOTING SOLID



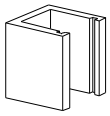
FOOTING - SOLID
(2'3" x 2'3" x 1')

FOOTING CAVITY



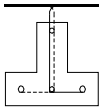
FOOTING - CAVITY
(2'3" x 2'3" x 1')
CAVITY - 8.5"x8.5"x8"

C -BLOCK



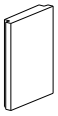
C - BLOCK 200 x 200 x 200
(8" x 8" x 8")

T- BEAM



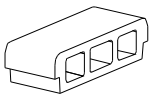
T- BEAM
6"x 5" Section
Length Upto 8'

CLEAN OUT-



CLEAN OUT - 8
(8" x 8")
TO BE USED WITH C-BLOCK

ROOF BLOCK

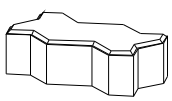


ROOF BLOCK
500 x125x200
TO BE USED WITH T-BEAM

POST - 4

POST - 4
4" x 4" Section
Length Upto 6'

PAVER BLOCK



PAVER BLOCK
240 x140 x 63

PRODUCTION FACILITY

2/280, Kunnathur Village, East Coast Road. Ph. 2748 2783

- 8” Hollow Blocks being moulded.
- Proper mix ratio is used. The blocks are vibrated and hydraulic pressed for good compaction and strength.
- Cured Blocks are stacked in wooden pallets.

- Moulded blocks are left for curing on place for 3 days.
- Blocks are covered with sack cloth and sprayed with water for proper curing.
- Well dried Blocks are stacked in wooden pallets for safe handling and further curing.

- We have production capacity of 3000 blocks per day.

STRUCTURES THAT USED "CRISTO BLOCKS"

Bethel Prayer Assembly
Kandanchavadi

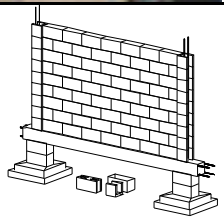
3000 Feet of Compound Wall
Residential School Complex
Thirukazhukundram.

This compound wall is constructed with 6" Hollow Block with reinforced "C-Block" pillers.

Church building at Othappai built using Cristo Blocks.

4" Solid blocks are used for 'Prawn Culture tanks' Aqua Nova, Mugayur

Our '**Column Blocks', and "U/C Blocks"** can be used for columns/plinth beams thus avoids using column box.



TEST CERTIFICATE

SRM INSTITUTE OF SCIENCE & TECHNOLOGY

DEEMED UNIVERSITY
SRM Nagar, Kattankulathur - 603 203.
Kancheepuram District. Tamil Nadu.
Ph. : 91 - 4114 - 253 901
Fax : 91 - 4114 - 253 903

Prof.R.Venkataramani, M.Tech.,F.I.E.,
Dean

29 DEC 2005

To
M/s.Cristo Blocks
178,Kunnathur Village
Manamai Post
Near Amaipakkam Town ship
Kancheepuram Dist

Sir,

Sub: Test Results of solid blocks supplied by you – Reg.
Ref: Your Letter dated :: 26.12.2005.

With reference to the above subject enclosed herewith the results of the tests conducted on the solid blocks , given by you.

Size of the block (1). Block A : 400mm x 150 x 200mm
(2). Block B : 400mm x 200 mm x 200mm

Nominal area of the (1). Block A CR-I = 400mm x 150mm=60,000mm^2

Soild block exposed to load , (2). Block B CR-II 400mm x 200mm=80,000mm^2

Sl. No.	Mark on the Specimen (indicated by us)	Date of Casting	Date of Testing	Ultimate Load	Area of solid block	Compressive Strength UL/Area
				N	mm^2	N/mm^2
1	A CR-I	Nil	27.12.05	190000	60000	3.166
2	B CR-II	Nil	27.12.05	200000	80000	2.50

OFFICE OF THE DEAN * FACULTY OF ENGG AND TECHNOLOGY * 29 DEC 2005

DEAN.

S.R.M

TEST CERTIFICATE

TEST REPORT

Test No. : 196
Date : 8.3.2002

REPORT ON COMPRESSION TEST ON HOLLOW BLOCKS

Supplied by

Cristo Blocks
New No.111 (137 A), Nelson Manickam Road
Metha Nagar
Chennai 600 029

Vide your Letter No.Nil dated 6.3.2002

S.No.	Identification of Sample	Area in mm^2	Crushing load in lbs	Crushing Stress in N/mm^2
1.	4" Hollow Block A	28039	16820	2.67
2.	4" Hollow Block B1	18054	12250	3.02
3.	4" Hollow Block B2	18054	10000	2.46
4.	6" Hollow Block C	46523	36680	3.51
5.	6" Hollow Block D	44361	38010	3.81
6.	6" Hollow Block E	39300	27630	3.13
7.	8" Hollow Block F	48210	38170	3.52

Date of Testing : 8.3.2002 (28th Day)

STAFF-IN-CHARGE

8.3.2

PROFESSOR