

**STRONGO**  
SOLID BRICKS

**GREY IS  
THE NEW RED!**

The modern alternative for Red clay Bricks



[www.strongobricks.com](http://www.strongobricks.com)

**A Product from KSP Group**

## Solid Bricks & Blocks

STRONGO Solid Bricks, are one of the leading manufacturers of Solid Flyash & Cement Bricks & Blocks. We are a reliable supplier and trusted partners with Construction companies, Public Works Contractors and Real Estate organizations. STRONGO is capable of fulfilling any size of requirement – be it a few thousand bricks requirement for smaller buildings or several tons required for larger projects. Our bricks come in various sizes and are tested for compressive strength, efflorescence, water absorption and thermal insulation. STRONGO bricks manufacturing facilities are fully automatic and computerized. This helps in standardization, uniformity and economizing on time and increased efficiency of production and quality maintenance. The company follows Bureau of Indian Standard specification, BIS 12894 : 2002.

## Why choose us?

1. STRONGO Bricks facility has a total production capacity of 1,80,000 bricks per day (300 CUM per day), and is one of the few fully automated plants in India.
2. Compared to red clay bricks, Strongo bricks have a higher strength, resulting in lower breakage costs. We guarantee a cost saving of up to 8%.
3. Bricks are compressed with a 200 tonnes capacity hydraulic press, resulting in high compressive strength and hence no breakage. 15% cost savings in plastering is achieved by size consistency.
4. The in-house Quality Inspection Lab ensures that every output is of best quality. This would further guarantee least amount of water absorption post construction and effectively avoid post construction water seepage complications.
5. STRONGO solid bricks are completely termite proof unlike red clay bricks which stimulate termite growth and prove to be a conducive ground for their breeding.
6. Our bricks are certified by the CPWD and are complied with BIS Code: 12894 and standards.
7. Our state-of-the-art crane-mounted trucks can load and unload the bricks easily, making delivery of large orders possible for us in as much as a day's duration

## Advantages of using STRONGO Solid Bricks

Environment friendly, construction friendly and easy on the pocket



Eco-friendly bricks



Less porous compared to red bricks



Dense Composition



Very low water absorption



Bricks are uniform in shape & smooth in finish



Uniform and pleasing cement colored



Compressive Strength of up to 150 kg/sqm



Require substantially lesser plastering and mortar



POP/Lappam Coating can directly be applied



Transparency in delivery



No wastage during Transportation or Shifting



No Greenhouse gases emission



All bricks/ bills are claimable of tax benefits

## Solid Bricks



Size in mm  
205 X 70 X 97

Size in inch  
8 X 3 X 4

For 8" Walls  
Weight 2.8Kgs



Size in mm  
230 X 70 X 110

Size in inch  
9 X 3 X 4

For 4" & 9" walls  
Weight 3.2Kgs



Size in mm  
230 X 70 X 154

Size in inch  
9 X 3 X 6

For 6" walls  
Weight 4.6Kgs



Size in mm  
100 X 140 X 290

Size in inch  
4 X 6 X 12

For 4" walls  
Weight 8.5Kgs

## Solid Blocks



Size in mm  
100 X 200 X 400

Size in inch  
4 X 8 X 16

For 4" walls  
Weight 15.7Kgs



Size in mm  
150 X 200 X 300

Size in inch  
6 X 8 X 12

For 6" Walls  
Weight 18Kgs



Size in mm  
200 X 200 X 300

Size in inch  
8 X 8 X 12

For 8" walls  
Weight 24Kgs



Size in mm  
150 X 220 X 300

Size in inch  
6 X 9 X 12

For 9" walls  
Weight 20Kgs

## Solid Blocks with Chips



Size in mm  
100 X 200 X 400

Size in inch  
4 X 8 X 16

For 4" Walls  
Weight 15.7Kgs



Size in mm  
150 X 200 X 300

Size in inch  
6 X 8 X 12

For 6" walls  
Weight 18Kgs



Size in mm  
200 X 200 X 300

Size in inch  
8 X 8 X 12

For 8" walls  
Weight 24Kgs



Size in mm  
150 X 220 X 300

Size in inch  
6 X 9 X 12

For 9" walls  
Weight 20Kgs

# Comparison at a Glance of STRONGO Brick and Red Clay Brick

| PROPERTIES  | STRONGO ECO BRICKS  | RED CLAY BRICKS   | ADVANTAGES                    |
|---|---|---|-------------------------------|
| Compressive Strength                                      | 120 – 150 kg/sqcm   | 30 – 80 kg/sqcm   | 3 Times more stronger         |
| Water absorption as per IS: 1077 – 1992(3) specifications | 5 – 12 max  | 25 – 35   | 4 Times less water absorption |
| Density   | 1700 kg/cumtr   | 1300 – 1800 kg/cumtr  | -                             |
| Carbon Dioxide (CO <sub>2</sub> ) Emission                | Zero CO <sub>2</sub> emission. One ton fly ash used saves appx. one ton CO <sub>2</sub> emission to the environment | One sqft. of carpet area will emit 17.6 kg of CO <sub>2</sub>                             | Green product                 |
| Fuel Consumption  | No coal required  | One sqft. of carpet area with clay bricks will consume 8kgs of coal                       | No emitious                   |
| Fertile soil consumption                                  | Zero soil consumption instead Fly ash consumption upto 80%  | One sqft. of carpet area with clay brick walling will consume 25.5 kg of fertile top soil | No natural resource consume   |
| Efflorescence as per BIS: 3495 Part 3                     | Zero resulting in brick getting stronger with passage of time   | Usually after 25 – 30 days of building masonry gets weaker and weaker                     | -                             |
| Wastage/ Breakage   | 0.05 – 1%   | 10 – 15%  | 10% More savings              |
| Mortar Joint Thickness Saving                             | 10 – 12 mm i.e., Up to 50% less due to uniform shape and size   | Non uniform shape and size leads to wastage of mortar                                     | 25% More savings              |
| Plaster Saving  | Up to 50% due to uniform wall surface, direct gypsum plaster can be applied   | Irregular and uneven wall surface require thick and non-durable plaster                   | 15% More savings              |
| Thermal Insulation/ Energy Saving                         | 15% – 30% better  | Zero  | 15% Better                    |
| Volume and Carpet area saving for 230 x 110 x 70mm size   | 100 sqft. 9" wall requires 925 bricks due to even and uniform size of bricks  | 100 sqft. 9" wall requires upto 1100 bricks due to irregular non uniform brick size       | -                             |
| Cost Saving   | 25% – 30% less cost of construction   | Wastage of materials leading to cost escalation and expensive construction                | 30% Overall savings           |

## Our Clients



**STRONGO**  
SOLID BRICKS

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