

— LOGO USAGE



— TYPOGRAPHY / FONTS

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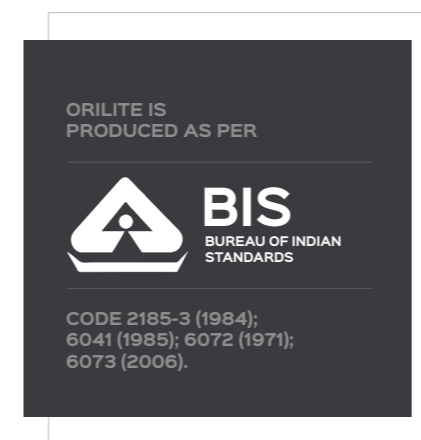
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— COMMUNICATING COLORS





ABOUT ORILITE

Oriental Power Cables Limited is a leading manufacturer of Autoclaved Aerated Concrete (AAC) products under the brand name ORILITE. AAC is an extremely innovative, fire resistant, green building material that is pre-cast, lightweight, strong with superior thermal and sound insulation properties. ORILITE is available in the form of blocks and reinforced panels for a wide range of both load bearing and non-load bearing construction applications. The product range includes blocks and panels of different classes and dimensions.

Advantages of construction with **ORILITE**.

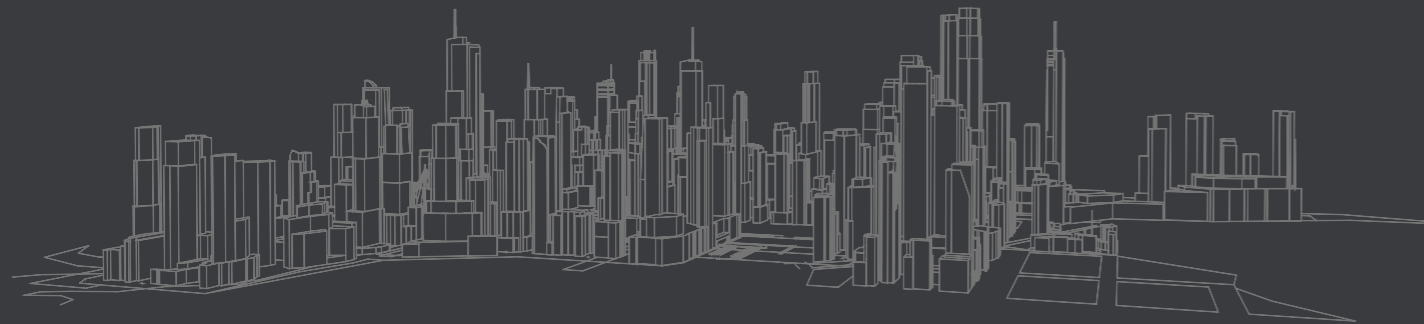
- High floor space area.
- Labor cost savings.
- Speedy construction.
- High workability quotient (can easily be cut, chased etc).
- Foundation sizes minimized (due to light weight construction).
- Support structure minimized (due to light weight construction).

Products and systems have been developed for all types of construction Industry

- Residential Buildings
- Industrial Sheds
- Commercial Buildings
- High-Rise Buildings
- Hotels
- Schools
- Hospitals and more.



NEW AGE BUILDING SOLUTIONS



Oriental Power Cables Ltd.
Manufacturers of Precast Building Solutions

Corporate Office : 6-7, Heavy Industrial Industrial Area,
Multimetals Compound, Kota 324003, Rajasthan, India.
Toll Free No : 1800121920 | Mob: 8290573333
Works : P.O. Cable Nagar, NH-12, Kota - 324003, Rajasthan, India
Email : Info@orilite.in, Website : www.orilite.in

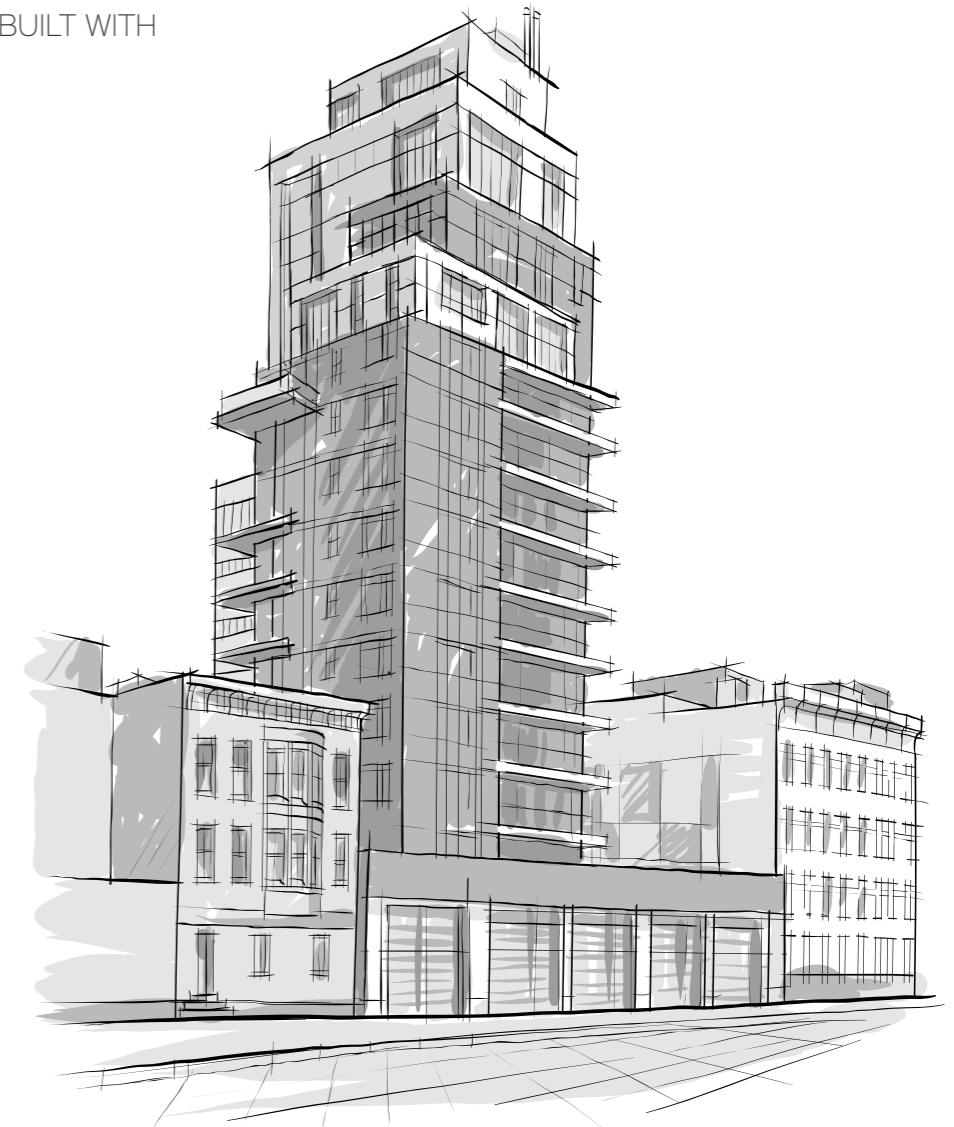
Certifications



LET YOUR CONSTRUCTION BE BUILT WITH

**STRONG
LIGHT
DURABLE**

NEW AGE BUILDING SOLUTIONS

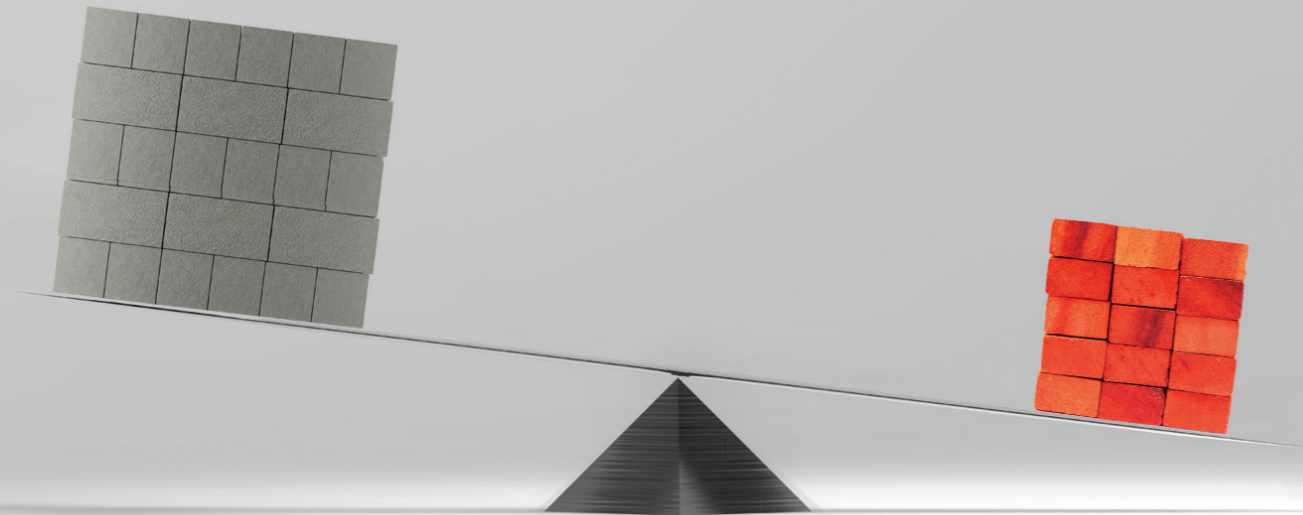


WHY ORILITE FAR BETTER THAN COVENTIONAL CLAY BRICKS?



**LIGHT
WEIGHT**

Orilite blocks are one third of the weight of Clay Bricks and can be easily handled
Clay Bricks are heavy.



RAPID CONSTRUCTION

ORILITE enables genuine cost savings as construction time is reduced and labor costs are minimized.

No such saving from clay bricks construction.



THERMAL INSULATION

Unique cellular structure of ORILITE provides good insulation properties, keeping building cool in summers and warm in winters.

Clay Bricks have less insulation properties.



SOUND PROOF

With sound transmission class of upto 40, ORILITE show better resistance to sound transmission.

Clay Bricks have less acoustic performance and cannot be used as a effective sound barrier.



MECHANICAL PROPERTIES

It is easy to cut, saw, drill, chase with tools manually just like wood.

Does not have great mechanical properties.



FIRE RESISTANT

Best in class, fire rating of 4-6 hours. It will prevent the spread of fire to other room.

Clay Bricks do not help to prevent the spread of fire.



ACCURACY

The completely automated manufacturing process ensures that ORILITE panels and blocks are always produced to accurate size.

Clay bricks are available in irregular sizes.



NON TOXIC

ORILITE products are made of inorganic compound and do not contain any toxic gas substances.

Clay Bricks contain toxic gas substances and volatile organic compounds.



ANTI TERMITE

Termites hate ORILITE. Being made of inorganic minerals, it does not promote growth of molds, pests or insects.

Clay Bricks may be affected by termite if they contain some organic material or have some moisture content.



ENVIRONMENT PROTECTION

Designed for consumers who are environmentally conscious. It helps reduce at least 30% of environmental waste.

Pollutes air at the time of the manufacturing. It is not an environment friendly product.

WHAT OTHER BENEFITS ORILITE BRINGS?



HIGH FLOOR SPACE AREA

Various options available with ORILITE, can save floor space area between 4-5%.



VERSATILITY

ORILITE adapts to every structural surface. It is suitable for floors, exterior and interior walls, roofs, elevator shafts, stairwells etc, thus making ORILITE as most flexible material in all the applications.



HIGH STRENGTH MATERIAL

High pressure autoclaving process gives ORILITE unmatched strength to weight ratio. Compressive Strength of ORILITE ranges from - 3.0 - 5.0 N/mm2.



SAVES TIME

Constructions with ORILITE saves time because of sizes, ease of work, zero curing etc.



SAVES WATER

Globally construction of buildings consume 16% of water. A large portion of this goes in curing the surface while construction. Use of ORILITE range in construction reduces the consumption of water to 3% thus contributing in saving of natural resources.



DURABILITY POTENTIAL/ WEATHER RESISTANCE

ORILITE products are very durable and will not degrade under normal climatic conditions. They have outstanding durability characteristics over traditional materials relative to humidity, freeze/thaw cycles and chemical attack.



SAVE ELECTRICITY COSTS

Due to excellent thermal insulation properties, ORILITE reduces the consumption for air conditioning or heating systems in the buildings. It helps to control temperature upto 30% inside the building hence saving electricity costs.

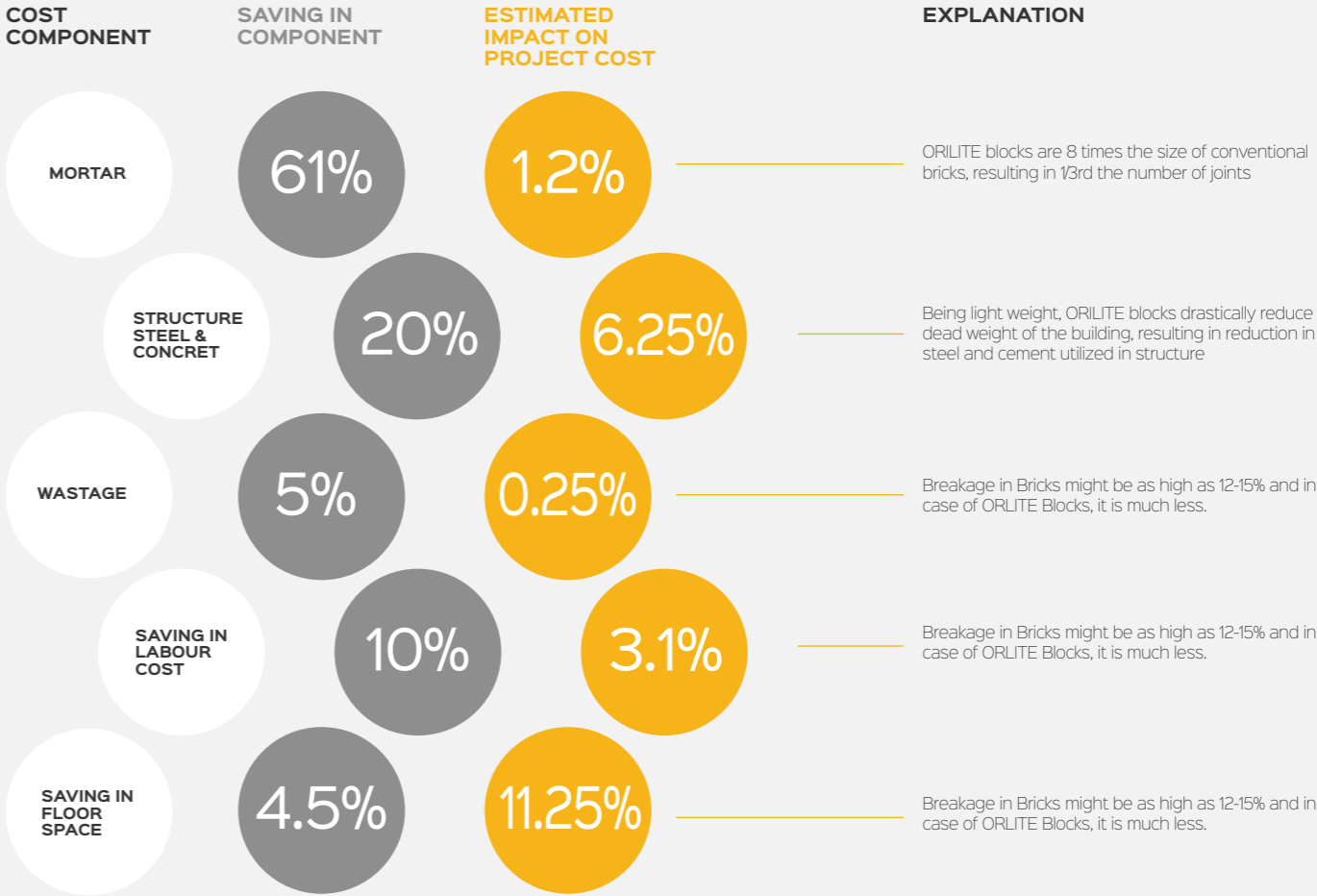


EARTHQUAKE RESISTANCE

Earthquake forces on structure are proportional to the weight of the building. ORILITE system permits a designer to reduce the mass of the structure, limiting the impact of accelerations introduced in seismic situation.



COST IMPACT ANALYSIS COMPARED TO BRICKS



• Selling Rate of Floor Space @ 2500/Sqft and considered Floor Area 3 BHK Apartment.

TOTAL IMPACT ON PROJECT COST
22.05%

PRODUCT RANGE



ORILITE STANDARD BLOCKS

ORILITE Autoclaved Aerated Concrete Blocks can be used to build load-bearing and non load-bearing walls.

Available Dimensions (mm)

Length : 650
Width : 200, 250
Thickness : 75 to 300 (with 25 mm increment)

ORILITE STANDARD BLOCKS

ORILITE Reinforced Wall Panels are used in applications such as exterior and interior walls, partition walls, boundary wall etc. for load bearing and non load bearing conditions.

Available Dimensions (mm)

Length : Upto 5800
Width : Upto 625
Thickness : 75 to 300 (with 25 mm increment)

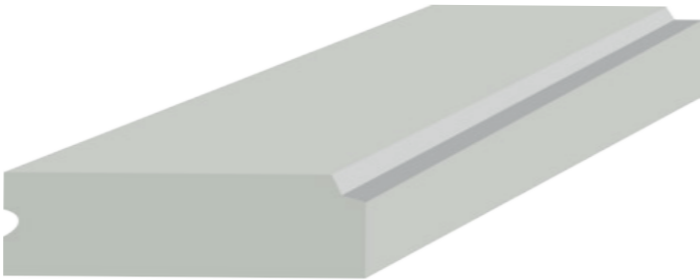


ORILITE REINFORCED ROOF PANELS

Designed as per customised requirements and embedded with reinforced steel mesh, ORILITE roof panels are ideal for easy roof installation.

Available Dimensions (mm)

Length : Upto 5800
Width : Upto 625
Thickness : 150 to 300 (with 25 mm increment)



ORILITE REINFORCED ROOF PANELS

ORILITE pre-cast reinforced lintels enable quick construction of window and door openings. Lintels serve as beams to support the weight of the wall over openings.

Available Dimensions (mm)

Length : Upto 2100
Width : 200 , 300
Thikness: 100, 150, 200