

DURA SAND



DURA CONCRETE
We Build your Dreams

DURA BLOCKS



RETAIL SAND BAG
FOR ALL PURPOSES



www.durarock.in

About Us



Dura Rock Products Private Limited was established to provide quality concrete and plastering sand. With sound technical background and infrastructure, Dura Sand has installed capacity of 2000 tons per day with a state of art plant located strategically and owns a fleet of trucks for on time delivery. Dura Sand has gained popularity among builders and engineers within short span of launch with its professional and quality business practice.

Why Use Dura Sand?

Technical specification – Comparison between Ordinary M-Sand, River Sand and Dura Sand

| Sl No | Property | River sand | Manufactured sand | Dura Sand | Advantages of Dura Sand |
|-------|--------------------------------------|--|--|-------------|--|
| 1 | Cubical Shape | X | | ✓ | Achieved through sand cone Crusher and VSI Machine |
| 2 | Gradation Control | X | Can be controlled | ✓ | Gradation Control is control at both feeding & washing process |
| 3 | Particle passing 75micron | Presence of silt shall be less than 3% (IS:383-1970) reaffirmed 2007 | Presence of dust particle shall be less than 15% | ✓ | No foreign Particles allowed |
| 4 | Silt and Organic impurities Presence | Present | Maybe Present | Not Present | Zero Impurities. Floored Pile Storage Area. |
| 5 | Grading zone(FM) | Zone II & III FM 2.2 -2.8 | Zone IIFM 2.6 – 3.0 | ✓ | Zone II Passing Sand |
| 6 | Washing Process | X | X | ✓ | Guaranteed state of art washing process |
| 7 | Quality Process | X | X | ✓ | In-house Lab |



CONCRETE



BRICKWORK



PLASTERING



TILES WORK

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LAUNCHING



We Build your Dreams

Dura Concrete was launched to cater to the increasing needs of quality concrete as manual concreting is becoming a challenge in terms of quality and on time completion. Dura has always had a transparent way of doing business. We are following the same principles in Concrete as well with batching slip, Weighbridge slip, cube test, pre-pour inspection and post-pour inspection. The customers are allowed inside our plant during batching and can inspect the concrete quality any time.



Dura Concrete is produced at its state of the art facility with fully automated batching plant. With a wide range of concrete grades and types, Dura Concrete owns a fleet of trucks and pumps with experienced team to deliver quality concrete on time and every time.

Dura Concrete has an in-house lab to ensure every batch of concrete is produced as per the IS standards. Our lab ensures consistency in quality through accurate & computerized control of aggregates and water as per mix designs. The various parameters like workability, compressive strength, water cement ratio, proportioning of ingredients, slump etc are also controlled.



Standard types of concrete

| Grade | Application |
|----------------|--|
| M10 & M15 | PCC (Plain Cement Concrete) e.g. Leveling course, bedding for footing, concrete roads, etc., |
| M20 | RCC (Reinforced Cement Concrete) e.g. Slabs, beams, columns, footing, etc. (for mild exposure) |
| M25, M30 & M35 | RCC e.g. Slabs, beams, columns, footing, etc. |
| M40 | RCC e.g. Pre-stressed concrete, Slabs, beams, columns, footing, etc. |
| M45 & M50 | RCC e.g. Runways, Concrete Roads (Paving Quality Concrete), Pre-stressed Concrete Girders, Rcc Columns, Pre-stressed beams |
| M55 & M60 | RCC e.g. Pre-stressed Concrete Girders and Piers, columns |
| M65-M100 | RCC work where high compressive strength is required such as high rise buildings, long span bridges, ultra-thin white topping etc and constructions in aggressive environment e.g. Spillways of dams, coastal construction |

Dura Solid Concrete Blocks is made from cement, m-sand, aggregates, admixtures and treated water. Each concrete mix for the blocks making plant is made from fully automated batching plant. The raw materials are tested in the in house lab and approved for production.



Dura Blocks are manufactured using automated vibration and compression egg laying machine. There is no manual intervention in any part of the production process except the loading of concrete mix inside the machine. The blocks are cured with treated water and stacked with strap for shipment.

Dura Blocks has an exclusive fleet of trucks fitted with Truck Mounted Cranes for ease of delivery at site or upto 1st floor.



Our Block Sizes in mm

300x200x200 | 400x200x150 | 400x200x100

Comparison between Blocks & Bricks

| Particulars | Solid Blocks | Red Brick |
|--|-----------------|----------------|
| Size | 12"x8"x8" | 9"x4"x3" |
| No. Blocks Req'd for covering 1 CFT (No's) | 2.25 | 16 |
| Cost/CFT (Rs) | 103 | 128 |
| Strength (N/mm ²) | 10 to 15 | 5 to 10 |
| Temp Resistant(°C) | Upto 6 °C | Upto 2.3 °C |
| Breakage | 0.05% | 3% |
| Sound Resistant | Upto 11 Decibel | Upto 4 Decibel |

| Description | As per IS 15658 : 2006 | Dura Values |
|-------------------------------------|-------------------------------|----------------------|
| Dimension tolerance Length | ± 5mm | ± 1mm |
| Dimension tolerance Width, Height | ± 3mm | ± 1mm |
| Block density(Solid blocks) | C>1800 kg/ m3 | >1800 kg/ m3 |
| Solid blocks (Compressive strength) | C=3.50, 5.0 N/mm ² | >5 N/mm ² |
| Water absorption | <10% | <7% |
| Drying shrinkage | <0.06% | <0.035% |
| Moisture movement | <0.09% | <0.05% |

Benefits of Solid Blocks:-

- High Compressive Strength
- Perfect Size & Shape
- Uniform Plastering thickness
- Increased Labour Productivity
- Green Product
- Reduced Maintenance cost
- Good Temperature and sound resistant
- Reduced plastering cost
- The fewer joints in concrete block masonry result in considerable saving in mortar.

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