

Drycotec Diaries





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RENDER

PUTTY

JOINT FILLER

SPRAY MORTARS

Applications : Cement

- Skim Coat & Putty
- Tile Adhesive
- Manual Renders
- Spray Renders
- Repair Mortar
- Self Levelling Mortar

Benefits : Cement

- Workability
- Anti slip / Anti-Sag
- Thickening
- Open time
- Adjustment time
- Reduce chalking
- Cost reduction
- Bounce back reduction

Applications : Gypsum

- Manual Plaster
- Finishing plaster
- Spray plaster
- Joint filler
- EIFS
- Spot Glue


Benefits : Gypsum

- Anti-sag
- Thickening
- Workability
- Working time
- Smoothness
- Surface hardness
- Reduce chalking
- Time saving



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* Benefits are also dependent on quality of ingredients, formulation and optimisation of blend.



FESTIVALS OF INDIA : A DIFFERENT PICTURE !!!

Pandals across roads, large traffic jams and jarring music announces the arrival of Lord Ganesha. In the 1930s when the mill workers of Mumbai were struggling, they allocated a portion of land in the Lalbagh market for Ganesh Festival. This is now the super famous Ganesh pandal of Mumbai which is known as "Lalbagh Cha Raja" (King of Lalbagh). People must stand in queue for 6-8 hours just to get a darshan of the lord. "No, not at all, I did not have to wait" said Mukesh Ambani & Shahrukh Khan who also took the darshan with their families. The lord gave direct passes without queue. Ganpati Bappa Morya.

Rakhsha Bandhan is no longer a holiday for most of us as offices are fulling operational. Both. brothers and sisters are busy working. They are not able to meet each other. The Rakhi is sent on WhatsApp and the gift is sent on Amazon. Empowered women vow to protect their brother in case of a job loss or harassment from the wife. On a serious note, we should keep this festival alive.

In 2023, the Maharashtra government accorded the status of sport to "Dahi Handi" and organized the first-ever state-level Pro Govinda League in Mumbai on August 312, held at the National Sports Club of India (NSCI) in Worli. Competing teams vied for the first prize, which was worth Rs 11 lakhs. The event was held on the lines of the Pro Kabaddi League, and participants were also provided with insurance coverage. Each year more than 100 kids get injured on the streets and one fatality is reported. Hathi Ghoda Palkhi Jai Kanahya Lal Ki !!!

Diwalis was the festival of lights. It is now the festival of Pollution. The Air Quality Index (AQI) in Delhi super spikes during Diwali. For instance, most locations in Delhi were recording an AQI above 500 on the morning after Diwali in 2021, with the index maxing out at 999 in a few locations. It is really something to die for. Happy Diwali to you and your lungs.

On New Year's Eve in early hours of 1st Jan 2023, there were 8,678 people booked for various traffic violations, including drunk driving only in Mumbai. I am guessing that the actual numbers who escaped and total across the country would be in Millions. New year is a very big festival for wine shops and manufacturers of alcoholic beverages. The hotel & airline industry also wish a happy and prosperous 31st evening to each other. Happy New Year to all.

Life is full of fun and enjoyment. Don't think too much about this article. Just chill. Drycotec Diaries is happy to hear from you and welcome you all to write for us, both technical & the very very non-technical. Just keep reading.

DRY MIX MORTAR PLANT

Mortar | Grout | Tile Adhesive | Black Box | Putty | Green Sand



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Industry experts call for use of sustainable materials in construction sector

September 27, 2023 10:00 pm | Updated 10:00 pm IST - MUMBAI

THE HINDU BUREAU



Just 20% of the required infrastructure for 2050 exists today, posing both a challenge and opportunity for the construction industry,” said Alok Ranjan, Partner, Tauran Advisors

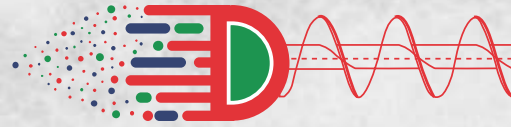
Nilotpol Kar, Managing Director, Sika India said, “India has seen a tremendous growth in the use of supplement materials like fly ash, slag and even bottom ash concrete. It is a step towards neutrality by 2070.

Emphasising on this subject, V. N. Heggade, Founder DECon Complete Solutions said, “In the midst of a robust 111 lakh crore infrastructure drive, spanning vital sectors like energy, roads, urban infrastructure, and railways, we are confronted with the urgent issue of climate change.



Mandar Chitre, Director & Founder of Drycotec Drymotor Association said that factory-produced mortars, not cement, must be used to curb emission and to deal with the problem of shortage of skilled masons.

18-20 October 2023
Bombay Exhibition Centre, Mumbai



DRYCOTEC

DRYCOTEC DRYMORTAR ASSOCIATION

Presents

BLAST-2-PLAST

DATE: 20 October 2023 | **TIME:** 09.00 to 14.00
VENUE: Bombay Exhibition Centre, Goregaon (E), Mumbai

It all begins with a Blast which leads to boulders that are crushed to produce sand. Sand is a high volume filler material in Plasters & multiple drymortar products.

Drycotec Drymortar Association invites you to a conference that includes the entire supply chain which is from Blast -2- Plast. Our event will have the following schedule

TIME SCHEDULE	ACTION DESCRIPTION	REPRESENTED BY
09.00 – 10.00	Registration & Networking	All
10.00 – 10.15	Welcome Note	Rajneesh Khattar
10.15 – 10.30	Introduction of Concept	Mandar Chitre
10.30 – 11.15	Challenges of Quarrying - Drilling, Blasting & Sizing: A Panel Discussion	Panellist
11.15 – 11.30	Sponsor Presentation	Sponsor
11.30 – 12.15	Consistency of Sand - Quality & Quantity: A Panel Discussion	Panellist
12.15 – 12.30	Sponsor Presentation	Sponsor
12.30 – 13.15	Quality of Mortars from M-Sand	Panellist
13.15 – 13.30	Sponsor Presentation	Sponsor
13.30 – 14.30	Networking Lunch for Speakers & Delegates	All

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DELEGATE FEES
RS.2,000/- + GST

This Delegate fee includes entry to this conference & lunch with the speakers at the exclusive lunch area.

FOR FURTHER INFORMATION PLEASE CONTACT:
mandar.chitre@batonconsultants.com



MESSE
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Construction & Demolition Waste Management Conference

October 19, 2023

Bombay Exhibition Centre, Mumbai, India



Conference Partner



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Paper Presentations:

- ▲ **Ms. Hammadhu Rukiya Jalva**
Doctoral Research Scholar, VIT University, Chennai
- ▲ **Dr. Yogini Deshpande**
Tech Director, Ph.D (USA), FIE, MACI, Director – ACI & Renuka Consultants,
Chair Prof OP Jindal University
- ▲ **Dr. Vineet Bajaj**
Ph.D., (CEng), FIE, PEng (India), M.ASCE, M.ICI, M.ISTE, M.IIBE,
VP (Tech Services) NS Arus Group
- ▲ **Ms. Sucheta Kalwar**
BE Civil, ME BITS Pilani, IGBC Accredited Faculty, Lean Six Sigma Green Belt Certification,
Enterprise Design Thinking Practitioner, Concrete Technologist

Panel Discussion: Construction & Demolition Waste Management

Session Moderator:

- ▲ **Mr. Mandar Chitre**
Director, Baton Consultants

Panellists:

- ▲ **Mr. Amol Sinha**
Director – Product & Training, Terex Material Processing
- ▲ **Mr. Pundalik Awate**
Retd. Chief Engineer, Brihanmumbai Municipal Corporation (BMMC)
- ▲ **Mr. Shabir Kachwala**
Principal - Global Network for Zero, USA
- ▲ **Mr. Chandan Adhikary**
Concrete Expert, Procon RMC Plants Pvt. Ltd.
- ▲ **Mr. Amit Barde**
Head of Precast, Larsen & Toubro, Powai

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Email: mandar.chitre@batonconsultants.com

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10 Years

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My Green Diaries - Top Uses of GGBFS (Ground Granulated Blast Furnace Slag) as Building Material



This article is written by Abinash Mishra who is the Dy Exe. Director Sales & Marketing with Dalmia Cement. With 3 decades of experience and a plethora of educational qualifications (Dip, BTech, MTech, MBA USA, MBA IIT & Research publications), he is certainly one of our most talented professionals.

Top Uses of GGBFS

1. **High-Performance Concrete:** GGBFS enhances the strength and durability of high performance concrete used in bridges, dams, and skyscrapers.
2. **Reduced Heat of Hydration:** It reduces the heat generated during the curing of concrete, minimizing the risk of thermal cracking.
3. **Sustainable Construction:** GGBFS promotes sustainability by utilizing a waste product and reducing the demand for raw materials.
4. **Concrete Blocks:** GGBFS can be used in the production of concrete blocks, reducing their weight and increasing their insulation properties.
5. **Precast Concrete:** Precast elements like beams, columns and panels benefit from improved workability and reduced permeability when GGBFS is used.
6. **Concrete Pavements:** GGBFS is used in road construction to enhance the durability and reduce maintenance of concrete pavements.
7. **Self-Compacting Concrete :** It improves the flowability and workability of self-compacting concrete, reducing the need for excessive vibration.
8. **Marine Structures :** GGBFS concrete is resistant to Sulphate attacks and is commonly used in marine structures like docks and harbours.
9. **Corrosion Resistance :** GGBFS based concrete provides better protection against corrosion of embedded steel reinforcement.
10. **Tunnel Linings :** It is used in tunnel construction for its low permeability and high strength.
11. **Hydraulic Structures :** Dams, spillways, and hydraulic structures benefit from GGBFS's resistance to chemical and physical deterioration.
12. **Airport Runways :** GGBFS concrete is used in airport runways for its high compressive strength and resistance to abrasion.
13. **Bridges :** GGBFS enhances the durability and longevity of bridges, particularly in aggressive environments.
14. **Highway Overlays :** It is used in highway overlays to improve the resistance to freeze-thaw cycles and road salt.
15. **Railway Sleepers :** GGBFS can be used in the production of railway sleepers for its durability and reduced maintenance.
16. **Retaining Walls :** GGBFS concrete is used in retaining walls for its strength and resistance to soil pressure.
17. **Wastewater Infrastructure:** GGBFS is used in wastewater treatment facilities due to its resistance to aggressive chemicals.
18. **Sewer Pipes :** GGBFS is used in the production of sewer pipes to increase their resistance to corrosion.
19. **Underground Structures :** It is used in underground construction due to its resistance to aggressive groundwater.

20. Geopolymer Concrete : GGBFS is used in geopolymer concrete, which has lower greenhouse gas emissions compared to traditional concrete.
21. Concrete Repair : GGBFS-based repair mortars are used to repair and rehabilitate deteriorated concrete structures.
22. Fire Resistance : GGBFS concrete offers improved fire resistance properties.
23. Sound Barriers: Precast sound barriers are often made with GGBFS concrete for highway noise reduction.
24. Green Roofs : GGBFS lightweight concrete is used for green roof construction.
25. Pervious Concrete : It can be used in pervious concrete mixes for sustainable stormwater management.
26. High-Rise Buildings : GGBFS enhances the performance of concrete in high-rise buildings by reducing shrinkage and cracking.
27. Stadiums and Arenas : GGBFS concrete is used in sports facility construction for its durability.
28. Residential Construction : It can be used in residential construction for foundations, driveways, and more.
29. Parking Structures : GGBFS based concrete is commonly used in multi-story parking structures.
30. Wind Turbine Foundations: The durability and strength of GGBFS concrete make it suitable for wind turbine foundations.
31. Culverts : GGBFS-based concrete culverts are durable and resistant to soil erosion.
32. Flood Barriers : GGBFS is used in the construction of flood barriers for its resistance to water damage.
33. Soundproofing Walls : GGBFS concrete panels are used for soundproofing in buildings.
34. Cisterns and Water Tanks: It is used in the construction of water storage tanks and cisterns.
35. Seismic-Resistant Structures : GGBFS improves the ductility and seismic resistance of structures.
36. Low-Energy Buildings : It can contribute to the construction of energy-efficient buildings due to its thermal properties.
37. Tilt-Up Construction : GGBFS is used in tilt-up concrete panel construction for commercial buildings.
38. Facades: Architectural precast panels made with GGBFS offer design flexibility and durability.
39. Historic Restoration : GGBFS is used in the restoration of historic concrete structures.
40. Eco-Friendly Buildings : It contributes to the construction of environmentally friendly and sustainable buildings.
41. Solar Farms : GGBFS can be used in the construction of foundations for solar panels.
42. Waterfront Structures : It is used in the construction of waterfront properties for its resistance to saltwater.
43. Erosion Control : GGBFS can be used in erosion control measures along coastlines and riverbanks.
44. Cold-Weather Construction : It improves concrete performance in cold climates by reducing freezing and thawing damage.
45. Agricultural Structures : GGBFS concrete is used in the construction of agricultural facilities like silos and barns.
46. Chemical Storage : It is used in the construction of chemical storage tanks due to its chemical resistance.
47. Sports Facilities : GGBFS-based concrete is used in the construction of sports stadiums and arenas.
48. Aquariums : GGBFS concrete is used in aquarium construction for its resistance to saltwater.
49. Green Building Certification: GGBFS can contribute to achieving green building certifications like LEED by reducing environmental impact.



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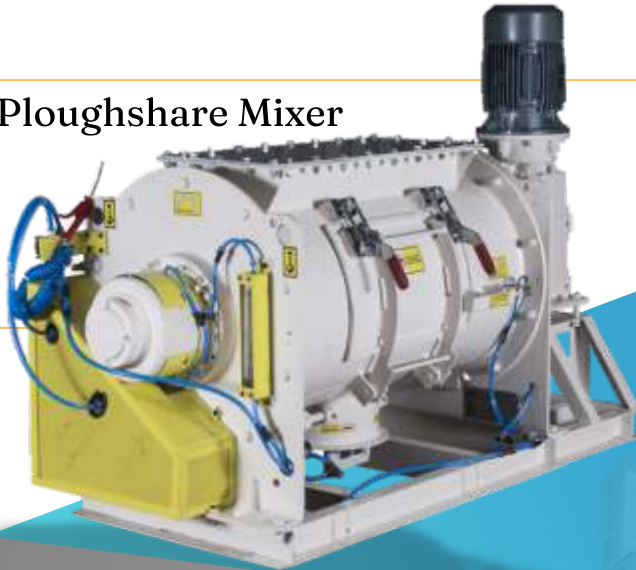


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- Epoxy Grout Plant
- Acrylic Wall putty plant
- Power Grout Plant
- Black Box Plant
- Ultra High Performance Concrete Plant

My Cement Diaries : White Cement vs Grey Cement (Simple Explanation)

The difference between white and grey cement is often questioned. Even if they both are cement, there are many structural & other differences. It might be a complex subject for the ones who are not construction experts. However, in this article, we will try to make a clear comparison of white cement vs grey cement. Author of this article : Emin İnşaat Madencilik San. ve Tic. A.Ş.

Benefits of White Cement	Benefits of White Cement
<ol style="list-style-type: none">1. It has an aesthetic color: White cement has an aesthetic and harmonious color. That is why it is also chosen in decorations.2. Reduces the cost of energy: White cement is used as the main material in the making of many products to reduce the use of energy.3. It has a durable structure: The structure of white cement strengthens the durability of the surface that is applied.4. It prepares the surface for the paint: The white structure eases the process of painting.5. White cement balances the moisture level: Through the use of white cement, the paint maintains its quality for a long time.	<ol style="list-style-type: none">1. Through grey cement you can have a strong base for your constructions: In the bases of constructions, grey cement is the main material thanks to its strong structure. Constructions like bridges and buildings are mostly done with grey cement.2. It is cheaper in comparison to white cement: You can save money by using grey cement.3. Grey cement is very durable: It provides durability in construction.5. You can save time by using grey cement: Within the context of white cement vs grey cement, grey cement is easier to apply.

Structure of White vs Grey Cement

Firstly, we should state that one of the most important things that differentiate white cement from grey cement is its color. The feature of the pure, white color is obtained with the use of the right materials in the production process of the white cement and the key is to minimize the level of oxide. Contrary, grey cement is produced with the materials like clay, iron ore, manganese, and limestone. Because there is no concern for color, the oxide level does not have importance. In the last process, which is heating, white cement and grey cement do not have a big difference. Both of them are heated to the same degree. Gypsum is added to both materials and this is the final process. With its structure that has less amount of oxide, white cement is smoother compared to grey cement.

White Cement vs Grey Cement: The Area of Use

White cement is mostly used in,	Grey cement is mostly used in,
<ul style="list-style-type: none">• Restorations• Exterior areas• Decorations• Production of related materials like Putty etc.	<ul style="list-style-type: none">• Bases of construction• Bridges• Roads• Dams

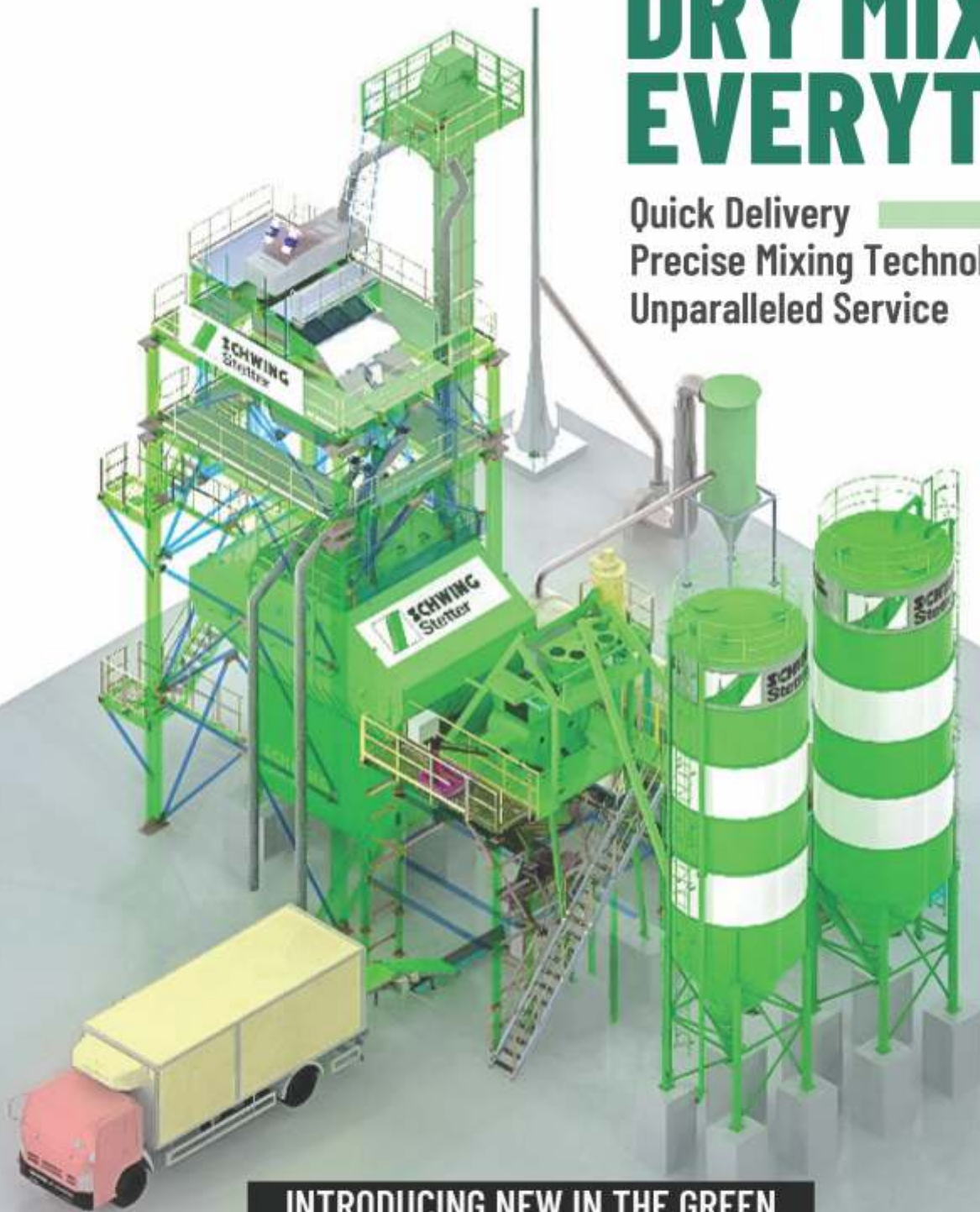
Which One Should You Choose?

Your decision depends on many factors that we talked about above. Before choosing between white cement vs grey cement, the most important thing is to identify your needs correctly. After that, you can buy the one which is perfect for you. Remember, as much as the right product, buying it from the right place has equal importance.



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SCAN FOR ENQUIRY



My Masonry Diaries : Reasons For Bottom Line Cracks In Aac Blocks Before As Well As After Curing



This article is written by **Javed Mansuri, Multi-talented Production Manager (B.E. Mechanical)** with 12 years of experience in manufacturing industries. He writes technical articles & motivates employees to align performance with company objectives in fast-paced production environments.

The article states reasons for Bottom Line Cracks in AAC Blocks before as well as after curing

Water accumulation inside the autoclave in process increases the temp	Due to Soft moulds cutting	Jerking by crane/machine while shifting	More speed of winch machine, material going inside autoclave
Improper handling by Workers	Autoclave wagon trolley wheel causing jerks	Improper locking system connecting wagon & trolley	Jerking of mould while material shifting
Platform misalignment or vibration because of wrong mounting	Gap between the platform and autoclave track	Inside rail is damaged or not in good condition	Trolley channel touching autoclave due to bend or damaged
Wrong practice of pushing autoclaved wagon trolley	Green stage moulds wagon trolley causing jerk	Improper segregation of blocks at segregation area	Heavier Load on Green Stage Mould

To prevent bottom-line middle cracks in AAC blocks, it is important to ensure proper handling in each process, and checking machinery condition are major solution.



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For more information Contact : c.gundigara@haveribauindia.com

My Tech Diaries : Green Fuel



Sanjay Chitnis, Sr. Vice President (Technical Services), JK Lakshmi cement Ltd has almost four decades of experience in the field of cement. He is an engineer from the COEP college in Pune, has done his MDI program from Indian Institute of Management, Calcutta, Indian Institute of Management, Lucknow & Indian Institute of Management Ahmedabad. He has also done his MBA from Annamalai University.

Mr. Chitnis is very punctual, down to earth, smart with Sound civil engineering knowledge coupled with administration & managerial capabilities. He loves writing short articles on Sundays on LinkedIn. We have taken one such very interesting article from him for the benefit of our readers.

Recently we read that NTPC is setting up Hydrogen Fuelling Station, Solar Plant and providing five Fuel Cell buses for operation on intracity routes of Leh. According to the IEA hydrogen as “a key pillar of decarbonization for industry”. Hydrogen and renewable electricity are vital in the energy transition. A provision of clean fuel support for heavy transport as well as heavy industries like steel, fertilizers & chemicals etc to lower their carbon footprint. There are several ways of producing hydrogen with varying carbon intensity. Hydrogen produced through natural gas and coal, leading to carbon dioxide emissions (CO₂) into the atmosphere. The hydrogen produced through this method is known as grey hydrogen.

Blue hydrogen is an industry term for hydrogen produced from natural gas and supported by carbon capture and storage. The CO₂ generated during the manufacturing process is captured and stored permanently underground. The result is low-carbon hydrogen that produces no Co₂. Water electrolysis uses an electrolyser and an electric current to split fresh water into its constituent elements, hydrogen and oxygen. If the electricity used in this process comes exclusively from renewable sources like wind or solar, the hydrogen produced is called green hydrogen.

Regarding the utilization of hydrogen in transportation applications, energy density is a serious consideration. For example, the volume of your car is not significantly affected by the amount of fuel you carry. Hydrogen has the highest gravimetric energy density . The hydrogen molecule is extremely small. A key feature of hydrogen is its capacity to store energy over long periods and convert it back to power when needed. Currently the green hydrogen is not economical. As the technology matures and economies of scale are realized, it is expected that the cost will decrease.

The Ministry of New and Renewable Energy (MNRE) released a draft R&D roadmap for the green hydrogen ecosystem in India, which stresses developing fuel cells for long-range travel, particularly in the road transport sector as the transport sector contributes almost one-third of crude oil requirement.



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My Plant Diaries : Cement Silo Ventilation and Maintenance

Cement silo ventilation is the process of providing adequate airflow and ventilation within a cement silo to control moisture, temperature, and air quality. Proper ventilation helps maintain the quality and performance of the stored cement and prevents issues such as condensation, lump formation, and degradation.

Some of the guidelines are as follows:

1. **Moisture Control:** Ventilation helps remove excess moisture and prevent condensation within the silo. Moisture control is critical as it can lead to lump formation and compromise the quality of the cement.
2. **Temperature Control:** Ventilation assists in maintaining a suitable temperature range within the silo, avoiding temperature extremes that can impact the cement's properties.
3. **Air Quality:** Ventilation promotes airflow and prevents the buildup of harmful gases, such as carbon dioxide, that may be released during cement storage.

Ventilation System Components:

- A. **Air Vents:** The silo is equipped with air vents or air pipes installed near the top of the silo. These openings allow the exchange of air between the silo and the external environment.
- B. **Air Filters:** Filters are used to prevent the entry of dust and contaminants from the external air while allowing the passage of clean air into the silo.
- C. **Exhaust Fans:** In some cases, exhaust fans are installed to facilitate air circulation and improve ventilation within the silo.

Maintenance of Cement Silo Ventilation:

- i. **Regular Inspection:** Conduct routine inspections of the ventilation system to ensure that air vents, filters, and exhaust fans are clean, unobstructed, and in good working condition.
- ii. **Cleaning and Dust Removal:** Clean and remove any accumulated dust or debris from air vents, filters, and exhaust fans to ensure smooth airflow.
- iii. **Filter Replacement:** Replace air filters as per the manufacturer's recommendations or when they become clogged or damaged. This ensures efficient filtration and maintains good air quality.
- iv. **Fan Maintenance:** If exhaust fans are used, periodically inspect and maintain them to ensure proper functioning and adequate airflow.
- v. **Sealing and Gasket Maintenance:** Check for any leaks or gaps in the ventilation system and repair or replace seals and gaskets as needed to prevent air leakage.
- vi. **Moisture Control:** Regularly monitor the moisture levels within the silo and take necessary measures to address any moisture issues promptly.

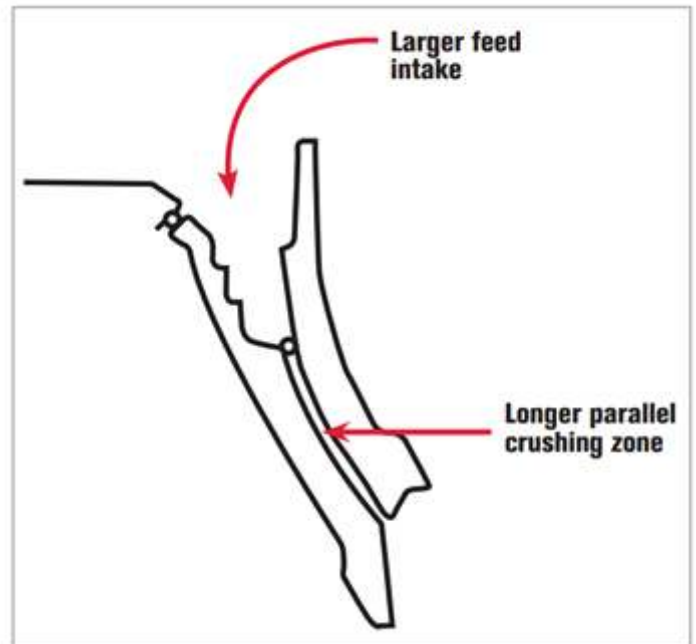
This may include repairing leaks, improving sealing, or using moisture control agents. Implementing a maintenance will help to optimize the ventilation system's performance and preserve the quality of the stored cement.

AUTO SAND CRUSHERS

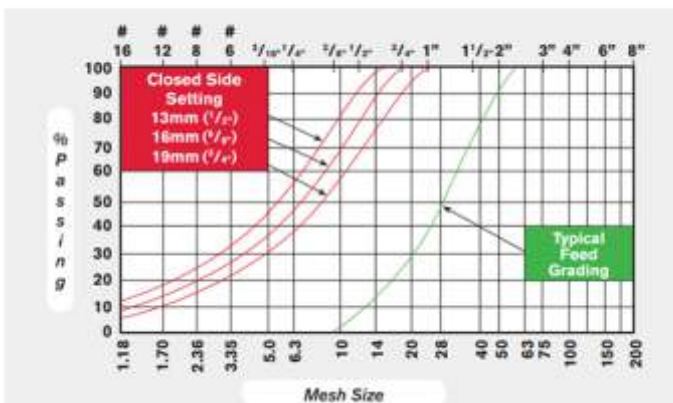
WHY TEREX AUTO SAND CRUSHERS FOR PLASTER SAND ???

Benefits and Features

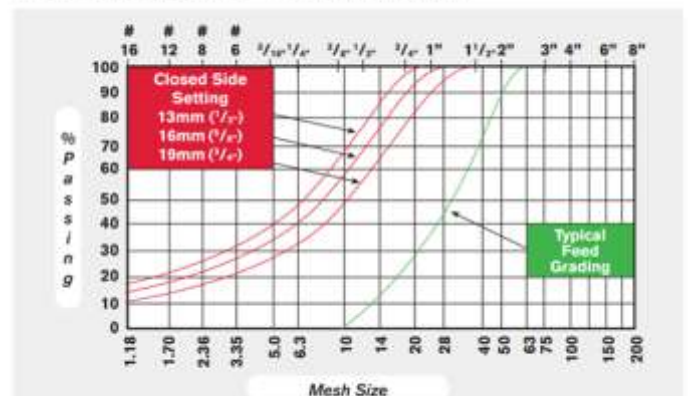
- ▶ Large feed intake for tertiary application (up to 63 mm).
- ▶ High capacity production of aggregate.
- ▶ Longer parallel crushing zone results in higher reduction and better shaped aggregate production.
- ▶ Ideal machine for higher requirement of sand and aggregate.
- ▶ Lesser power consumption per ton of aggregate produced as compared to popular tertiary machine.
- ▶ Lower percentage generation of ultrafine in the sand hence reducing difficulties of slurry handling in plants. Results in overall savings for customer.



1000 Autosand 40mm Throw



1000 Autosand 49mm Throw



Feed and product curves are relative and based on actual test data. If feed varies then that shown product will also vary.

Making Plaster Sand from Basalt / Sandstone / Hard Limestone / Granite is now very easy. Try the Auto Sand Crushers from Terex. Write to amol.sinha@terex.com for more information

Terex India Corporate Office

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SHARES ADVANCE UP TO 9% IN MONDAY TRADING

Cement Stocks Rally as Producers Raise Sept Prices by 3-10%

Nikita.Periwal@timesgroup.com

Mumbai: Shares of cement companies rallied on Monday after producers hiked prices for September by 3-10% in east, west and central India.

Shares of UltraTech Cement, ACC, Ambuja Cements, Shree Cements, Dalmia Bharat, Gujarat Ambuja Exports, Birla Corp, Ramco Cements, Nuvoco Vistas, ACC and Ambuja Cements ended 2.9% higher on the NSE.

While the September quarter is usually weak for cement producers because of lower offtake, as construction activities slow down, companies have been able to hike prices for this month after strong demand in August because of lower-than-average monsoon rains.

Cement companies have hiked prices by ₹10-35 per 50kg bag, with hikes sharpest in eastern India, Jefferies said. There is also a possibility of another price hikes in this region around mid of the month, the brokerage said.

The average prices of cement in India fell by around 2% on month in August to ₹358 per bag, while they were only marginally higher as compared to the previous year. Prices remained steady during the

month in central and south India. "While prices have been hiked, it will be important to see whether these are absorbed by the market," said an analyst with a domestic brokerage. "Gains in cement shares will also hinge on whether these prices sustain."

The surge in shares of cement-makers is backed by higher-than-usual volumes in almost all companies with shares of several companies hitting multi-month highs.

Even as demand for cement is expected to be robust this year amid spending on infrastructure and housing, incremental capacities being added by several cement makers is expected to keep pricing competitive, experts said.

The June quarter saw cement companies clock in a volume growth of nearly 20% on year, with a quarter-on-quarter improve-

ment in profitability helped by lower fuel costs. While companies will continue seeing the benefits of lower fuel costs in the September quarter as well, pricing will remain critical.

Apart from a positive momentum in the cement space, Shree Cements got an additional leg-up after Nomura Financial upgraded rating on its shares to 'buy' from 'reduce' earlier, for a target price of ₹28,700.



At 9%, A'bad, B'luru lead in housing price rise in June qtr

New Delhi: Housing prices rose in 43 cities in the June quarter, while rates of residential units fell in seven, data from National Housing Bank showed. The regulator for housing finance companies said affordability remains healthy as home loan rates are still lower than pre-pandemic levels.

Ahmedabad recorded 9.1% appreciation in property prices, while Bengaluru recorded 8.9% and Kolkata 7.8% in the April-June 2023 period. Mumbai saw 2.9% appreciation, while Pune recorded 6.1% increase on an annual basis, an index published by NHB showed.

The 50-city index based on valuation prices of properties collected from banks and housing finance companies recorded an annual increase of 4.8% in the June quarter as against 7% in the previous year.

On a sequential basis, the index registered an expansion of 0.7% in the April-June period as against 1.3% in the previous quarter. The index has been showing an increasing trend on a quarter-on-quarter basis for two years.

Chandigarh recorded the highest sequential increase of 4.9%, while towns like Ludhiana and Howrah recorded a sequential decline of more than 2%. Navi Mumbai recorded the maximum decline at 5.9%. AGENCIES



Drymix Mortar Plant DMM 5/10/15/20/25/30 TPH

A dry mortar plant basically consists of a drying systems, loading system, conveying & weighing system, highly accurate weighing system to mix sand, cement and additives in required proportion where it finally gets the exact composition of the required mortar. Once it is prepared, dry mortar is available for bagging & ready to be transported to market. Apollo manufactures 5 TPH, 10 TPH, 15 TPH, 20 TPH, 25 TPH, & 30 TPH capacity plants.

Standard Supply

- Single bin Feeding Hopper 3 CM with conveyor
- Screen
- Bucket Elevator
- Storage Silo for Sand with Accessories-1 No.
- Screw Conveyor for sand
- Storage Silo for Cement with Accessories-1 No.
- Screw Conveyor for cement
- Weigh Hopper for Sand
- Weigh Hopper for Cement/Flyash
- Plough Shear Mixer with Structure
- Control Panel PLC, SCADA, Computer and printer with Cabin

On Request

- Dryer with dust extracting system – According to Plant capacity
- Storage Silo for Flyash with Accessories– 1Nos.
- Screw Conveyor for Flyash
- Stationary Bag Packer Machine
- Storage Hopper for dry mixed Mortar
- Chopper in Plough shear Mixer
- Pneumatic Sampling unit in Plough shear Mixer
- Lobe compressor
- Gyro Screen



253.89 ▲ 34.54 NIFTY: 19,674.55 ▲ 0.30 NIKKEI 225: 33,678.47 ▲ 374.21 HANG SENG

2.5 MILLION LIKELY TO BENEFIT

₹60,000 crore home loan subsidy soon

Rollout by banks in a couple of months

SARITA CHAGANTI SINGH & SIDDIH NAYAK
New Delhi/Mumbai, September 25

THE GOVERNMENT IS considering to spend ₹60,000 crore to provide subsidised loans for small urban housing over the next five years, two government sources told *Asiatic*.

Banks are likely to roll out the scheme in a couple of months, ahead of state elections later this year and general elections due in mid-2024. Last month, the government cut cooking gas prices for households by about 18% to rein in inflation ahead of elections.

Prime Minister Narendra Modi announced the plan in a speech in August to mark the country's Independence Day, but its details have not been previously reported.

The scheme will offer an annual interest subsidy of between 3-6.5% on up to ₹9 lakh of the loan amount.

INTEREST RELIEF

- The scheme will offer an annual interest subsidy of between **3-6.5%** on up to ₹9 lakh of the loan amount.
- Lenders have not been provided targets but a meeting with govt officials is likely soon.
- A similar scheme ran between 2017-2022 covering 12.27 mn homes.

The move could help increase lending in the affordable housing segment within the home loan portfolio.

Housing loans below ₹50 lakh availed for a tenure of 10 years will be eligible for the proposed scheme, the sources said.

Continued on Page 7

Realty stocks rise on govt's subsidy plan PAGE 4

THE ECONOMIC TIMES
MUMBAI
FRIDAY, 1 SEPTEMBER 2023
WWW.ECONOMICTIMES.COM

Companies & Economy

AS DEMAND STAYS ROBUST...

Mumbai's Property Market Continues to Scale New Highs

Logs highest-ever registrations and stamp duty collections in August

Kailash Sabar
@timesgroup.com

Upward Trajectory

ALL-TIME HIGH AUGUST
Registration of **10,900 properties**, 27% from a year ago

Stamp duty revenue at ₹810 cr

Of total sales in Aug, residential units constitute 81% & rest 19% constitute non-residential assets

Sale of properties above ₹1 cr climbed to around 57% in 2023 from 48% in 2020

Mumbai: The country's biggest and most expensive property market, Mumbai metropolitan region, logged its highest ever sales and stamp duty collections for the month of August, reflecting little signs of a 200-basis-point increase in mortgage financing rates and higher sticker prices for apartments that are increasingly getting bigger in size.

India's commercial capital has recorded its best performance in August ever with registration of over 10,900 properties during the month, up 27% from a year ago. Revenue collection through stamp duty charges also rose 26% to over ₹800 crore, showed data from the inspector general of registration, Maharashtra.

This is the highest-ever revenue collected by the state exchequer through property-related stamp duty in the month of August.

"The record-high property registrations and revenue collection performance in August indicates the buoyant sentiment amongst homebuyers. The change brought in by the pandemic in terms of preference for home buying has helped keep the sentiment robust despite high mortgage rates. The demand momentum is likely to pick up further during the upcoming festive season," said Deepak Gorda, CMD, Dosti Realty.

Of the overall registered properties, residential units constitute 81%, the remaining 19% constitute non-residential assets.

"The Mumbai housing market continues to show a positive outlook bolstered by ongoing strong consumer demand. Remarkably, the share of registration of properties valued at ₹1 crore and above continue to rise led by surge in property prices and increasing preference among homebuyers for more spacious accommodation," said Shubir Bajaj, CMD, Knight Frank India.

EIGHT-FIGURE DEALS

Over the recent years, there has been a consistent upward trajectory in the percentage of property registrations for properties valued at ₹1 crore and beyond. This proportion has climbed to around 57% in 2023 from 48% in 2020.

The escalation in property prices, coupled with a significant 200 basis point increase in the interest rate during this timeframe, has influenced property registrations below the ₹1 crore threshold. However, registrations for properties valued above have demonstrated a relatively minimal response to these changes.

During the initial eight months of 2023, Mumbai property market recorded a registration count of over 83,263 units, resulting in a substantial revenue accumulation of ₹7,242 crore for the state.

Capacity Additions to Hit Cement Cos' Profitability

Players will benefit in the near term from rising demand, falling input prices: Analysts

Nikita Periwat@timesgroup.com

Mumbai: While the recent uptick in prices and lower input costs is seen abating up the operating profit of Indian cement makers in the near term, profitability is seen capped over the medium term as companies are unable to take significant price hikes amid capacity additions, analysts said.

India is expected to consume around 440 million tonnes of cement this year, as it clocks in a strong double-digit growth in volumes. With demand expected to grow in double digits or at least high-single digits over the next few years, most cement makers have also announced large capacity expansion plans.

This will lead to around 40 million tonnes of cement capacity being added each year between FY24 and FY25, which compares to an addition of 20 million tonnes each year between FY18 to FY23.

"A focus on retaining market share amid capacity additions will test the industry's pricing power despite the growing demand," Fitch Ratings said in a note.

CAPACITY ADDITIONS

While Adani Cement plans to double its capacity in five years, the country's largest producer UltraTech Cement has targeted raising its capacity to 200 million tonnes from 132 million tonnes currently. Dalmia Bharat, JK Cement and Shree Cement are among the other producers which have announced capacity expansion plans.

The fervent pace of capacity addition will also prevent margins from improving to the extent that was seen in FY21, when lower prices of energy aided the profitability even though the impact of Covid-19 had weighed on demand, the rating agency said.

FOR FULL REPORT, GO TO
www.economictimes.com

On Profit Path
Indian cement makers see profit rise due to high demand and lower costs

Capacity to increase by **40 million tonnes** annually between FY24 and FY25, up from **20 million tonnes** yearly between FY18 to FY23.

Despite **15-20%** demand growth this year, cement prices remain subdued.

Operating profit set to recover by **26%** in the current fiscal year.

Expect price hikes of **₹10-35 per bag** in October.



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PRODUCTS
GRADES
PRODUCT DESCRIPTION

PRODUCTS	GRADES	PRODUCT DESCRIPTION	
WACKER	RDP	Vinnapas 5010 N	Versatile Binder for All dry Mix application
		Vinnapas 4023 N	Versatile Binder for All dry Mix application
		Vinnapas 536 ED	Versatile Polymer dispersion based on vinyl acetate and ethylene with high solid content
		Vinnapas 548 ND	Plasticizer and solvent free polymer dispersion based on vinyl acetate and ethylene.
		Vinnapas 7220E	Semi Flexible RDP for excellent tensile strength
		Vinnacel 315 Vinnacel 410 Vinnacel 510 Vinnacel 730	New range of RDP for wall putty tile adhesive and Tile Grout
		Levelling RDP	Vinnapas 5111 L
	Flexible RDP	Vinnapas 5044 N	Flexible Binder,
	Hydrophobic Grade	Vinnapas 8034 H	Hydrophobic Effect, Binder
	Thixotropic RDP	Vinnapas 5012 T	Thickening effect with adhesion Property
	Fumed Silica	HDK (N20, H15, H13L, H18, H2000)	Hydrophilic & Hydrophobic Fumed Silica
	Silicon Powder	Silres BS Powder P	Hydrophobic Silicone Powder
	Hybrid Flooring	Silres BS 6920	Hybrid Silicon Coating on any surface, Recoatability, Stain Free
	Silicon Dispersion	Silres BS 3003	For Coating Application
		Silres BS 16	For Bricks, & Roof
Silres BS 290		For Fasade	
Silres BS 38		For Eazy Clean, Anti Stain	
Silres BS 1306		Solventless, Water-thinnable emulsion of a polysiloxane modified with functional silicone resin.	
Silres SE 227		Organo Slicone Antifoam Emulsion which is Water Dilutable and is designed to control foam in a variety of aqueous systems	
Silres BS 168		Water based, Solvent free, pH-controller for use in water based emulsion paints	
Silfoam SE 3646M		Mineral oil emulsion with small amount of organo modified polydimethyl siloxane with non ionic APEO free surfactants	
ShinEtsu	MHEC	Tylose MH 60001 P6	For Tiles Adhesive, Grout, Wall Putty, Jointing Mortar application - Water Retention, Sag resistance, Workability
		Tylose MH 100001 P6	
		Tylose MH 150003 P4	
		Tylose MHS 300000 P4	
	Tylose MH 10005 P2	For Plaster type application, Water Retention Sag resistance, Workability,	
	Tylose MH 15002 P6		

	HEC	Tylose H 300 P2	For Levelling application, Low viscosity, good flow,
		Tylose HS 30000 YP2	Water Based Paint
		Tylose HS 60000 YP2	
		Tylose HS 100000 YP2	
		Tylose HX 6000 YG4 Plus	HMHEC for water Based Paint
	Starch Ether	OPAGEL CMT	Workability, Dosage should be 10 % MHEC Increase open time, Sag Resistance
		Solvitose H 2060	Increase open time, Sag Resistance, Workability, Dosage should be 10 % MHEC
		Foxcrete S 200	Retarder for Admixture
	Cellulose Fiber	Technocel 500-1	Crack Resistance, Thixotropic Effect
		Technocel 150-2	
	High Alumina Ciment	Ciment Fondu	Rapid Drying, Rapid Hardening, Shrinkage Compensation, Rapid Strength development
	Plasticizer Melamine Base	Peramin SMF 10	Water Reducing agent
	Plasticizer PC base	Peramin COMPAC 500	Water Reducing agent
	Defoamer Powder	Peramin Defoam 50 PE	Reduce Foam
	Shrinkage Reducing Agent	Peramin SRA 40	Reduce Shrinkage in Dry Mix
Peramin SRA 10			
	TPA Resin	Dianal BR 106	For Coating
		Dianal BR 113	
		Dianal BR 115	
		Dianal BR 116	
	Air Entraining Agent	ESAPON 12/14	For Spray Plaster, Easy Flow
	Incan Preservative	Nipacide CI 15	
		Nipacide CFX	
		Nipacide BIT 20	
	Dry Film	Nipacide DFX-5	
	PH Stabilizer	Genamin A 016	
	Defoamer	Defoam RI 100	
	Wetting Agent	Emulsogen LCN 118	

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