

WE KNOW THE ART OF MAKING STEEL & CEMENT

**PRIMEGOLD**

STEEL & CEMENT

**PRIMEGOLD INDIA LIMITED**

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## » Background



Established by Shri Pradeep Aggarwal, Primegold International Ltd. is a name to reckon with. Known for his vision and commitment in every endeavour, entrepreneurial spirit, providing righteous products to the customers and ensuring profits of all his associates, Shri Pradeep Aggarwal has rewritten the rules and ushered in a new era of manufacturing, marketing and distribution of infrastructure related products & construction material. The group aims to keep on marching ahead with its promise of delivering quality and ensuring authenticity in everything they offer.

The success achieved has been multiplied by manufacturing & marketing of premium construction related products, like Steel, Cement, S. S. Water Pipes & Fitting, Paints etc. towards meeting the growing demands of infrastructure development.

## » The Vision & Mission

### Vision

- Passion in touching lives of people by contributing quality steel at affordable price range for national growth.

### Mission

- Innovating & implementing technologies to achieve superior quality steel.
- Reaching out to all towns & cities of country.
- Providing unmatched service in the industry and creating quality & permanent bond with our customers.
- Using quality principles & service to multiply into other products like Cement & S. S. Water Pipes.





**We are the change...**  
**We are the strength**

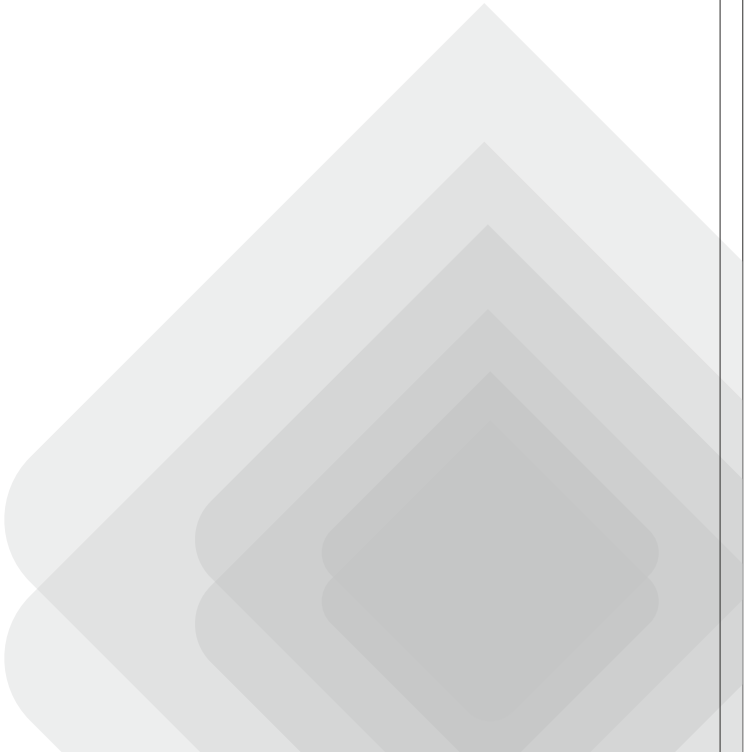
## Feature of PRIMEGOLD CEMENT

1. Quality cement gives extra strength to the structure.
2. Vast dealer network makes Prime Gold cement easily available in the market.
3. Manufacturing plants located diversely across India, promises prompt delivery.
4. Increased longevity of construction-Corrosion free property prevents rusting of structural steel by offering strong resistance to bot water & atmospheric chemicals like sulphate, Chloride, etc.
5. Dense & impervious concrete prevents water seepage and rusting of steel.
6. Better bonding properties with construction material like RCC makes construction stronger & more durable.
7. High early strength of structure helps in early removal of shuttering thus saving both time & cost of construction.
8. State of the art manufacturing plant aided by advanced quality control consistently delivers quality product.
9. Low expansion & shrinkage properties help avoiding development of cracks in the construction.
10. High flexural strength helps resisting crack development due to vibration.
11. Very high work ability leads to easy application for all types of construction & mortar work.



# Specifications

GRADE/PROP.	OPC			PPC			PSC	
PHYSICAL PROPERTIES								
Fineness (M <sup>2</sup> /kg)	225	320-350		300	350-400		300	350-400
<b>SETTING TIME (Minutes)</b>								
IST not less than	30	80-120		30	80-120		30	80-120
FST not more than	600	150-180		600	150-180		600	150-180
<b>STRENGTH (MPa)</b>								
3 Days (min.)	23	25+		16	20±2		16	20±2
7 Days (min.)	33	35+		22	30±2		22	30±2
28 Days (min.)	43	45+		33	45±2		33	43±2
<b>EXPANSION (mm)</b>								
Lechatelier not more than	10	1-2		10	1.5		10	2-3
Autoclave not more than	0.8	0.05		0.8	0.05		0.8	0.05
<b>DRY SHRINKAGE (by WT.)</b>								
Not more than	0.15	0.05-0.1		0.15	0.05-0.1		0.15	0.05-0.10
CHEMICAL PROPERTIES								
Loss on Ignition max.(%)	5.0	2.0-2.5		5.0	2.5-3.0		5.0	2.5-3.0
MgO (%)	6.0	2.0-3.0		6.0	2.0-2.5		6.0	2.0-3.0
Chloride (%) max.	0.10	0.03-0.05		0.10	0.03-0.05		0.10	0.03-0.05
Sulphate (%) max.	3.0	2.0-2.5		3.0	2.0-2.2		3.0	2.0-2.5





## » Manufacturing Process

**P**rim Gold cement is manufactured, through state-of-the-art technology. The raw material required for manufacturing Ordinary Portland Cement clinker are usually Limestone, Clay, Pet coke or Coke breeze and Iron ore. The exact proportion of this material depends upon their purity/quality.

70-80% of Limestone, 10-15% Clay, 2-4% Iron ore and 8-10% Pet coke are mixed and ground into fine powder in a ball mill. The powder known as raw mix is shifted to blending silos where it is blended to get a uniform quality mix. The raw mix is tested and is shifted to a storage silo, from where it is charged to a previously lighted kiln through a rotary feeder. The charge is burnt at a temperature from 1300°-1500°C. The clinker thus formed is discharged and stored at least for seven days. Every lot of clinker is tested before cement grinding. The clinker is ground alongwith Gypsum in suitable proportion. The fine product thus obtained is Ordinary Portland Cement (OPC). Depending upon the additives i.e Fly ash or Granulated slag in suitable proportion, the fine products thus obtained are Portland Pozzolana Cement (PPC) or Pozzolana Slag Cement (PSC).

All physical and chemical parameters of the product are tested daily as per BIS norms.



**Fig.1 Mine**



**Fig.4 Clinker**



**Fig.2 JCB Machine**



**Fig.3 Crushing Machine**



**Fig.5 Ball Mill**



**Fig.6 Primegold Cement**

Your confidence  
soaring high...



## » Products Availability



■ Product Availability  
■ Projected

## » Humanity ... Our prime concern



**W**e, at Primegold International Ltd. have always been aware of the fact that our existence and ever-progressing success is only through complete satisfaction of customers by providing them the best ever products and services. That's why we are determined not to budge even an inch from our perfect standards.

Apart from our unflinching moral values all through our business activities, we are gladly aware of our social responsibilities. We are well aware of the fact that our business activities are valuable and worth-doing so long as we cherish an earnest desire for the well-being of our nation, our environment as well as society. Such thoughts have constantly inspired us to go the extra mile for contributing to each and every activity intended for social welfare and national development. Besides ensuring in best possible manner that our business activities do not cause any least of harm to our environment and people around, we have been actively organizing programs to motivate people to grow more and more trees. We ourselves are growing trees, thus setting example for other people. We have also been organizing special programs to spread awareness among people about girl-education, gender equality and other relevant social causes. We very well realize that if the Almighty has made us capable of something, it is our moral duty to serve him by serving people through the most honest means possible for us.