

**PERFECT INTERNATIONAL**

An ISO 9001 certified co.



**MANUFACTURES  
&  
SUPPLIER OF  
FOUNDRY CONSUMABLES**

[www.perfectinternational.org](http://www.perfectinternational.org)

# PERFECT INTERNATIONAL

(ENHANCING PERFORMANCE THROUGH INNOVATIVE TECHNOLOGY)

## About Us

We introduce ourselves as manufacturers & supplier of foundry consumables and take pride in expressing that "State of the art development" & exhaustive testing have been utilized to create "special Spectrum" of these innovative foundry products, to meet stringent & today's foundry needs.

We look forward in associating with you so that our high standards towards-

**"TOTAL COMMITMENT"** to customer's satisfaction may reflect in your esteemed foundry too.

While assuring you our best services & belief that we will not believe in - **"TODAY'S SURVIVAL", BUT "TOMORROW'S PROSPERITY"**

We remain

**J.K. JAGGI**

(Managing Director)

## Company Profile

Established in 1994

ISI 9001 Certified Company

We have well equipped plant located at Ban Majra Industreial Area, Kurali (Punjab). Plant is having mechanized conveying system & equipped with most modern pulverizing unit connected with screw conveyers & having automatic sieve grading & screening system.

The plant has well equipped in house laboratory.

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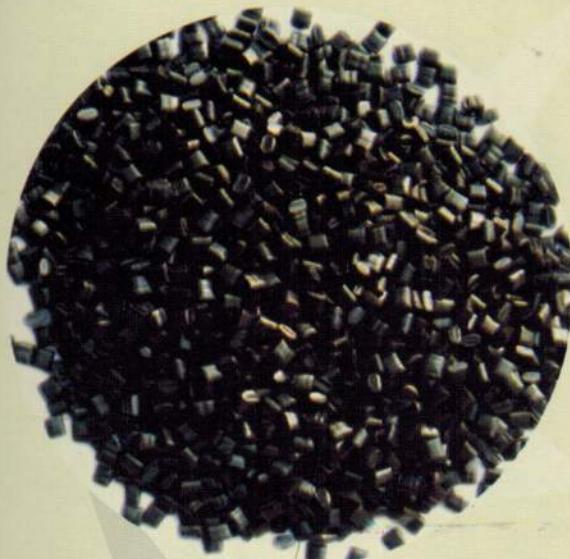
## PRODUCT NAME: BENZAKOL- PREMIUM (GREEN SAND ADDITIVE)

### ADVANTAGE OF BENZAKOL:

- It Constitutes special selective organic derivatives blended with styrene based pitch having lowest V.M : LC ratio as 3:1
- Evolution of v.m. Persists until the casting has solid skin
- Selective hydrocarbons have been used, harmful fumes are drastically reduced.
- It performs more effectively due to other pyrolytic & LCA constituents which are favorable in imparting excellent finish & peel off properties.



## INOCULANT (BARIUM & CALCIUM BASED)



### ADVANTAGES OF BARIUM BASED INOCULANT:

- Barium based inoculant, is known to improve graphite nucleation and reduce fading effect. Suitable for most applications, and specially for applications involving long holding periods, the combination of Calcium and Barium give most efficient chill control.
- Produces high number of graphite nodules in ductile iron casting
- Reduces porosity defect due to uniform graphitization

- Homogeneous precipitation of graphite in gray iron casting, while avoiding under cooled graphite
- Standard sizes : 2 - 6 mm, 2 - 4 mm, 0.5 - 2 mm, 0.2 - 0.7 mm & Can also supply according to customer's requirement.
- Standard Packing: 50 Kgs Bags.

### SPECIFICATION

S.No.	Grade	Si%	Ca%	Ba%	Sr%	Zr%	Al%
1	Ba Based	70-75	0.8-1.2	2.0-3.0	-	-	1.5max
2	Ca Based	70-73	0.8-1.2	-	-	-	1.5max

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## PERFECT SEAL

### USES OF PERFECT SEAL

- Joining cores
- It can be used as a sealant to prevent mold leakages during pouring

## CORE AND MOLD WASHES

Washes are applied to cores and molds as an insulating and protective coating that peels the sand from the metal and produces a better casting finish

## ADVANTAGE'S

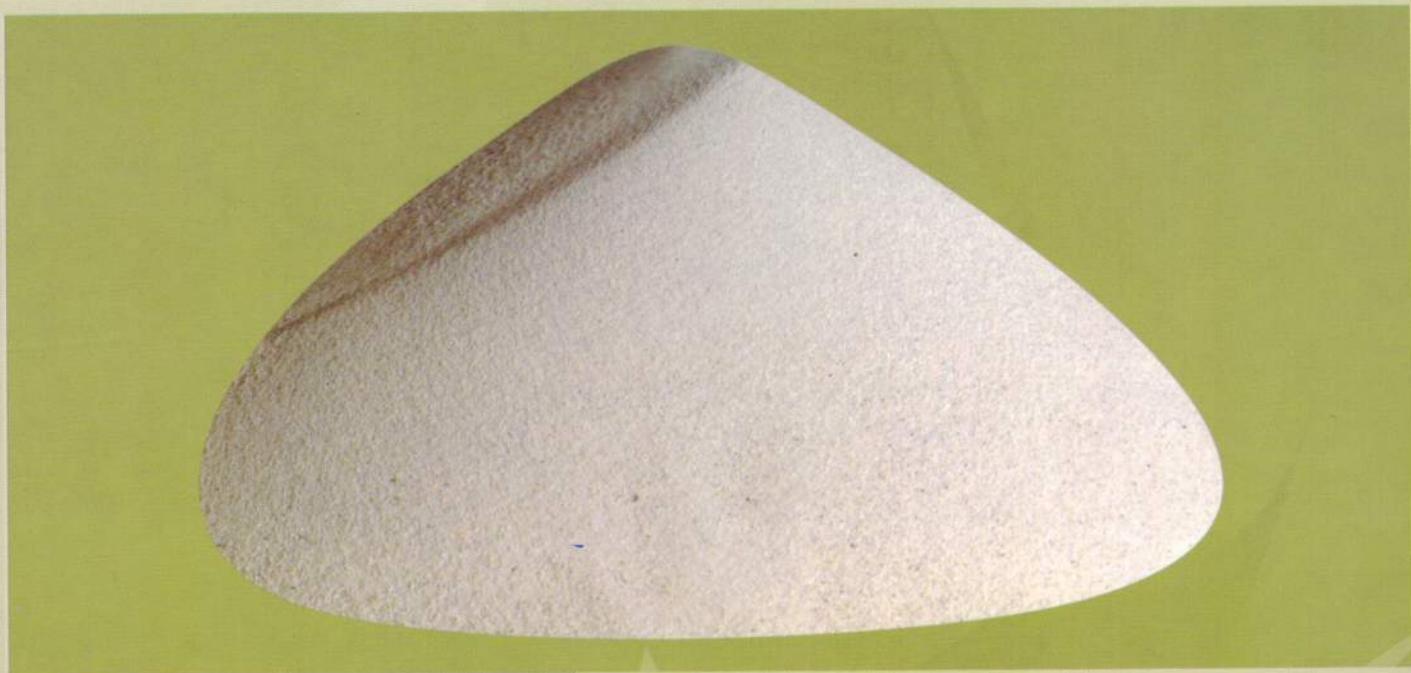
- Excellent resistance to sand burn in and metal penetration in heavy cross sections
- Excellent peels at shake out.
- Produces clean cast surfaces

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## PRODUCT SPECIFICATIONS

Nomenclature	:	Silica Sand
Chemical Formula	:	$\text{SiO}_2$
Origin	:	Gujrat
Type	:	Double Washed Natural Sand
Adv Value	:	4 Max
Grain Shape	:	Predominantly Sub Angular To Round



ITEM	WET/ DRY	STATUS	AFS NO.	MOISTURE	DISTRIBUTION ON BSS 36, 52 & 72	150 & FINER	SILICA CONTENT	SINTERING POINT	TYPE OF DIST.
SILICA SAND	WET	LOOSE	50 /55	MAX 5%	MIN 80%	MAX 6%	MIN 98%	1685°C	SINGLE PEAK
SILICA SAND	DRY	LOOSE	50 /55	MAX 0.1%	MIN 80%	MAX 6%	MIN 98%	1685°C	SINGLE PEAK
SILICA SAND	DRY	PACKED IN 50KG HDPE BAGS	50 /55	MAX 0.1%	MIN 80%	MAX 6%	MIN 98%	1685°C	SINGLE PEAK

SAND WITH AFS NO. 40-45 & 55-60 OR AS REQUIRED IS ALSO AVAILABLE

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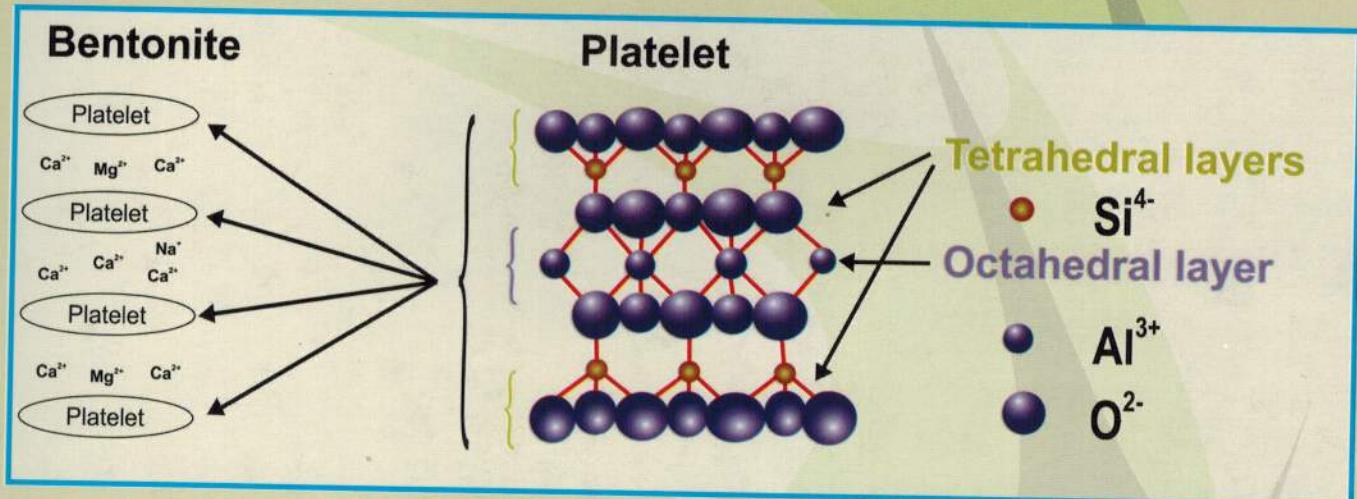
**Bentonite**—A natural resource with super natural properties.

## Composition:

Each platelet of ideal composition ( $\text{Al}_2\text{O}_3\text{SiO}_4\text{H}_2\text{O}$ ) consists of an octahedral layer of  $\text{Al}_3^+$  and  $\text{O}_2^-$  sandwiched between two tetrahedral outer layers of  $\text{Si}_4^+$  and  $\text{O}_2^-$ .

## TACTOID IS 20-80

### Lamellation



MARKETED BY PERFECT INTERNATIONAL

## SPECIFICATION: (GIMBOND)

PARAMETERS	SPECIFICATION
Moisture (% WT)	10 TO 13
PH	9 TO 10.5
Gel Time (sec)	INSTANT
Gel Index (cc)	70 (min)
MBA Value (mg/gm)	390 (min)
Free Swelling (ml)	32 (min)
Particle Size Finer Than 200 Mesh (%)	80 (min)



## What we deliver

1. Moulding material analysis and assessments
2. Casting & mould failure defect analyses
3. Training for lab. Testing & up gradation/ New Lab. Set ups
4. Flexible adaption of our product to customer requirements
5. Individual green sand cycle analysis designed to reveal true optimization potential

### Other Business Activities Associate Concern

### **J.K. International**

#### **HEAD OFFICE:**

301-GIANI ZAIL SINGH NAGAR  
ROPAR- 140 001 (Pb), INDIA

#### **WORKS:**

PERFECT INTERNATIONAL – BAN MAJRA  
KURALI-DISTT. ROPAR (PUNJAB )

#### **CONTACT Info.**

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