



TRANSFORM TO PERFORM

GIMPEX – IMERY'S
INDIA PRIVATE LIMITED

A Market to Mine approach

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IKOBOND™ DI
FOUNDRY BENTONITE

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Company Profile

IKOBOND™ DI

FOUNDRY BENTONITE



- GIMPEX LTD is a US\$ 200 Million mineral company dealing in Bentonite , Barite ,Iron ore , Coal, Mill scale, Granite & Marble etc. # IMERYYS, with a turnover of US\$ 4. 7 Billion, 16310 employees and 250 industrial sites in 50 countries is the world leader in mineral-based specialties for industry, transforms, enriches and combines an unique range of minerals, often extracted from its deposits, to offer features essential to its customers, products and production processes.
- Gimpex-Imerys have join hands as Joint Venture partners in May-2015 to offer modern high grade foundry bentonite to cope up with the requirements of modern foundry setups especially HPMLs.
- In Bentontie, Imerys is # 1 producer In Europe; # 2 Bentonite producer worldwide and # 1 Bentonite Exporter Worldwide.
- Leadership positions in High Value Markets Worldwide.
- Materials with World #1 or #2 leadership position: Graphite, Talc, Ground Calcium Carbonate, Mica, Kaolin, Fused Minerals
- Markets with High Ranking Positioning: Plastics, Paint, Paper, Refractories, Sanitary Wares and Tiles, Filtration
- Corporate office of Gimpex-Imerys is in Bhuj with centralized activities and departments like Mining, Plant & Maintenance, QC, Purchase, Marketing, Exports & Business Development, Logistics, Finance, etc.
- Manufacturing facility is at Bhadai (Mandvi), Gujarat with a production capacity of 100000 tons a year. Plant is setup in 15 Acres of land with state-of-art manufacturing facility with Roller Mills, Silos, Forklift, Weighbridge, Fully equipped laboratory and Processing Unit.
- Total Volume -2,00,000 metric tons per annum at present.
- Exports Volume – 1,35,000 MTS including Middle east, Europe & ASEAN region etc.
- Status of “Star Export House” by Govt. of India for Quality export performance.
- Granted permission from Customs Department of in house container stuffing and self sealing for export cargos. Godown and agency in all major states, seven (7) registered grades of Bentontie having one of the largest mining reserves in the best know quality grades of Bentonite
- ISO 9001:2008 Certified Company, Member of CAPEXIL, FICCI, GMIA, etc.
- A Eight Stage Quality Control is provided by our dedicated team with one of the best fully equipped laboratories.
- Best team of experienced Bentonite professionals with experience ranging over 20 years with consistent technical support from our European partner Imerys including visit of consultants for various applications.

Important Characteristics

- Optimum Swelling Capacity
- Instant Gelling
- High WTS
- High Thermal Durability
- Low Carbonate Iron Oxide
- Low Burnout

Key Benefits

- Better Bonding Of Sand Grains
- Good Flowability
- High Workability
- More Stability of Molds, Increased Dimensional Accuracy With Controlled Weight Castings
- More Stable Molds, Less Metal/Mold Material Reactions
- Less Replenishment & Low Level of Dead clay Generation

Properties of IKOBOND™ DI

Properties	Unit	IKOBOND™ DI - Typical Range
Free Swelling Value	cc	25 - 28
Methylene Blue Absorption	Mg/gm	385 minimum
Gelling Time	Sec	Instant
Powder Fineness 75 micron	%	75 – 90 %
Moisture Content	%	10 - 13
PH		9 – 10.5
Green Strength (10 : 4) Mixing 3 : 7 Dry : wet with Standard Washed Sand AFS 60 @ 45 Compatibility.	gm / cm2	1000 - 1400
Wet Tensile Strength	gm / cm2	28 - 35
Thermal Durability (550 degree) / 1 hr. (Under standard lab conditions)	%	50 minimum