



RAMMING MASS –

1. Primex Ramming Mass
2. Snow White Ramming Mass
3. Super Semi Ramming mass
4. Semi Ramming Mass
5. Nalatop Ramming Mass



APPLICATIONS



Ramming Mass

THE COMPANY HAS THE STATE OF ART MANUFACTURING PLANT OF RAMMING MASS OPERATED & MANAGED BY QUALIFIED TECHNOLOGISTS HAVING VAST EXPERIENCE AND KNOWLEDGE OF REFRACTORY AND ITS BEHAVIOR. MIXING OF VARIOUS GRAIN SIZES OF QUARTZ IN THE EXACT PROPORTION SUITABLE FOR SMALL, MEDIUM AND LARGE SIZES OF INDUCTION FURNACES VIZ. 250 KG TO 25000 KG (25 TONES) CAPACITIES. WE ARE SPECIALIZED MANUFACTURER OF PREMIX RAMMING MASS WHICH CONTAINS BINDER- BORIC ACID, MIXED WITH PRE-HEATED RAMMING MASS (NO NEED TO MIX BORIC ACID FURTHER). WE RECOMMEND USING OUR RAMMING MASS (PREMIX), WHICH WILL PROVE TO BE A GOOD PERFORMER WITH ITS LONG LINING LIFE REDUCING COST OF PRODUCTION.

WHEN THE PIECES OF RAW MATERIAL, POWER IS HIGH AND RETURN IS LIMITED. IT IS NECESSARY TO MINIMISE THE COST OF PRODUCTION WITHOUT AFFECTING THE PRODUCTIVITY AND QUALITY OF THE PRODUCT.

RAMMING MASS		
CHEMICAL COMPOSITION		PERCENTAGE
SILICA	SiO ₂	98 % - 99 %
ALUMINA	Al ₂ O ₃	0.04%
MAGNESIUM OXIDE	MgO	NIL
CALCIUM OXIDE	CaO	NIL
FERRIC OXIDE	Fe ₂ O ₃	0.04%
LOSS ON IGNITION	LOI	0.08%
TITANIUM DIOXIDE	TiO ₂	0.0008
MAGNESE OXIDE	MnO	NIL
SODIUM OXIDE	Na ₂ O	0.0005
POTASSIUM OXIDE	K ₂ O	NIL
SINTERING TEMP.		1200' C
MAX. SERVICE TEMP.		1700' C
GRAIN SIZE		0-5 MM

WE HAVE THESE TYPE OF RAMMING

1. PRIMEX RAMMING MASS
2. SNOW WHITE RAMMING MASS
3. SUPER SEMI RAMMING MASS
4. SEMI RAMMING MASS
5. NALATOP RAMMING MASS

SALIENT FEATURES RAMMING

- HIGH REFRACTORINESS TO WITH HOLD OPERATING TEMPERATURE
- HIGH CORROSION RESISTANCE TOWARDS STEEL & SLAG
- HIGH ELECTRICAL RESISTIVITY TO PREVENT SHORT CIRCUITIN
- SUITABLE UP TO 1730'C
- CONSISTENT QUALITY (PURITY 98.65%)
- GRAIN-SIZES MIXED ACCORDING TO CAPACITY OF THE FURNACE
- MINIMUM EXPANSION & CONTRACTION AT HIGH TEMPERATURE (TREATED)
- MOISTURE FREE AND SEA WORTHILY PACKING
- LOW DOWN TIME FOR FURNACE LINING

APPLICATIONS AND USED FOR –

- SS STEEL.
- PLAIN CARBON STEEL
- ALLOY STEELS
- LOW MANGANESE AND LOW CHROMIUM STEELS
- ALL GRADED CAST IRON
- S.G. IRON AND MALLEABLE IRON
- ALLOY CAST IRON
- NON-FERROUS
- COPPER-NICKEL UPTO 15% Ni

ACIDIC RAMMING MASS

OUR ACIDIC RAMMING MASS IS MANUFACTURED UNDER STRICT SUPERVISION OF QUALIFIED AND EXPERIENCED WORK FORCE. PROPER CHECK IS EXERCISED ON MAGNETIC PROCESS TO ASSURE IRON FREE ACIDIC RAMMING MASS AND TO ASSURE PROPER COMPOSITION OF GRANULES ACCORDING TO FURNACE CAPACITY. FURNACE SPECIFIC BENEFITS: WE MANUFACTURE THE MATERIAL AS PER THE FURNACE CAPACITY AND MAKE OF THE USER. THE GRANULATION OF THE MIX ARE OPTIMIZED KEEPING IN VIEW THE FURNACE MAKE AND CAPACITY, THUS GIVING MAXIMUM AND BEST RESULTS. RAMMING MIX IS CHARACTERIZED BY THERMAL STABILITY, CORROSION RESISTANCE AND WEAR RESISTANCE BECAUSE IT CONTAINS LESS BINDERS, FIRE CLAY AND MOISTURE COMPARED TO PLASTIC REFRACTORIES. RECOMMENDED FOR LINING THE IRON MELTING CORELESS INDUCTION FURNACE. PREMIXED WITH BINDER TO CUSTOMER'S SPECIFICATIONS. MAXIMUM RECOMMENDED USE LIMIT- 3274°F (1700°C).

WITH BORIC ACID AS BINDER

S. NO.	GRADE	CAPACITY	FEATURES
1	BA2	For Furnace Capacity below 2 M.T.	Premixed ramming mass with Boric Acid binder suitable for smaller furnace capacity ranging upto 2 M.T.
2	BA8	For Furnace Capacity 2 M.T. to 8 M.T.	Premixed ramming mass with Boric Acid binder suitable for furnace capacity ranging from 2 M.T. to 8 M.T.
3	BA10	For Furnace Capacity above 8 M.T.	Premixed ramming mass with Boric Acid binder suitable for furnace capacity ranging above 8 M.T.
4	BA100	For All Furnace Capacity	Premixed ramming mass with Boric Acid binder suitable for any furnace capacity offering customers an enhanced lining life as compared to plain vanilla quartz based ramming mass.
5	BA1550	For All Furnace Capacity	For improved lining life and reduced slag build up in SG Iron/Grey or Malleable Cast Iron melting in the range of 1550°C to 1600°C.

With Boron Oxide as Binder

S. NO.	GRADE	CAPACITY	FEATURES
1	BO	For All Furnace Capacity	Premixed ramming mass with imported binder suitable for any furnace capacity giving the benefit of faster sintering cycle and enhanced lining life as compared to plain vanilla quartz based ramming mass.
2	BO1	For All Furnace Capacity	Newly introduced ramming mass with imported binder and other additives suitable for any furnace capacity which will ensure enhanced lining life and also gives the benefit of faster sintering cycle & reduced slag build up at the same time.
3	BO2	For Furnace Capacity below 2 M.T.	Premixed ramming mass with imported binder giving the benefit of faster sintering cycle suitable for smaller furnace capacity ranging upto 2 M.T.
4	BO8	For Furnace Capacity 2 M.T. to 8 M.T.	Premixed ramming mass with imported binder giving the benefit of faster sintering cycle suitable for furnace capacity ranging from 2 M.T. to 8 M.T.
5	BO100	For Furnace Capacity above 8 M.T.	Premixed ramming mass with imported binder giving the benefit of faster sintering cycle suitable for larger furnace capacity ranging above 8 M.T.

Without Binder			
S. NO.	GRADE	CAPACITY	FEATURES
1	A2	For Furnace Capacity below 2 M.T.	Plain ramming mass without binder suitable for smaller furnace capacity ranging upto 2 M.T.
2	A8	For Furnace Capacity 2 M.T. to 8 M.T.	Plain ramming mass without binder suitable for furnace capacity ranging from 2 M.T. to 8 M.T.
3	A10	For Furnace Capacity above 8 M.T.	Plain ramming mass without binder suitable for larger furnace capacity ranging above 8 M.T.
4	A100	For Any Furnace Capacity	High density ramming mass without binder giving an enhanced lining life as compared to plain vanilla quartz based ramming mass suitable for any furnace capacity with high tapping temperature.

FACTORY:



WAREHOUSE MINES & RAW MATERIALS STOCK YARD:



TESTING AND LABORATORY:



INTERNATIONAL EXHIBITIONS:



CERAMIC EXPO BANGLADESH DECEMBER 2019



ASIAN CERAMICS, GUJARAT INDIA. March 2020



KERAMIKA 2023, JAKARTA, INDONESIA, MARCH 2023



ASEAN CERAMICS VIETNAM 2018