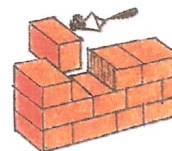




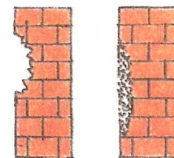
Millennium

Mfg. Exclusive Fire Cement, Mortar & Castables

Office : "Janak", Mahavir Society, Off. Wadia Road, PORBANDAR - 360 575 Gujarat
 Works : Shed No. C-1/2, Plot No. 109, G.I.D.C. Estate, Dharampur, PORBANDAR - 360 577
 Phone : (0286) 2251386 • Fax : (0286) 2243660 / 2250097 • Mobile : 9825243130
 E-mail : manoj_modha23@yahoo.com • millenniumpbr@yahoo.com



Laying Fire Bricks



Patching Fire Bricks

MNC 90 Extreme

[ULTRA HIGH STRENGTH AT ALL TEMPERATURES]

GEL BONDED CASTABLE REFRACTORY

- EXTREME WEAR RESISTANT**
- EXTREME THERMAL SHOCK RESISTANT**
- EXTREME DURABILITY**
- EXTREME MONEY VALUE**

FREEDOM FROM

CURING MIXERS WAITING VIBRATIONS

PRODUCT - DATA

Max. Service Temp. °C	1700
DRY DENSITY Kg/M ³	2900
Linear Charge % (+ / -) (Max) 1400 °C / 3 hrs.	0.5
Chemical Analysis % Approx. Al ₂ O ₃ Fe ₂ O ₃	85 - 90 % 3 %
Maximum Grain Size (mm)	05
C.C.S. Kg./Cm2 200 °C 1000 °C 1400 °C 400 700 750 - 1100	
Mixing Ratio : Kgs. Mix 50 Kg. Castable in 5 Kgs. Bindex Liquid	
Note : Above are average test data subject to reasonable variations.	

**EASIEST
INSTALATIONS**

**FASTEST
INSTALATIONS**

**FASTEST
HEAT-UP RATE**

**MOST
EFFICIENT**

UNIQUE

BETTER

CHEAPER

Progress through innovation and service

FIX & FORGET YOUR REFRACTORY PROBLEMS USE OUR 24 CARAT MONOLITHICS

MNC 90 Extreme

(ULTRA HIGH STRENGTH AT ALL TEMPERATURE)

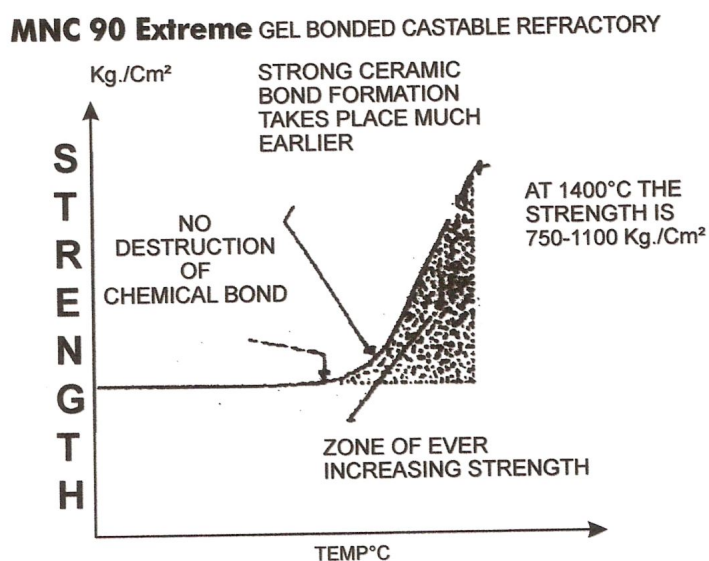
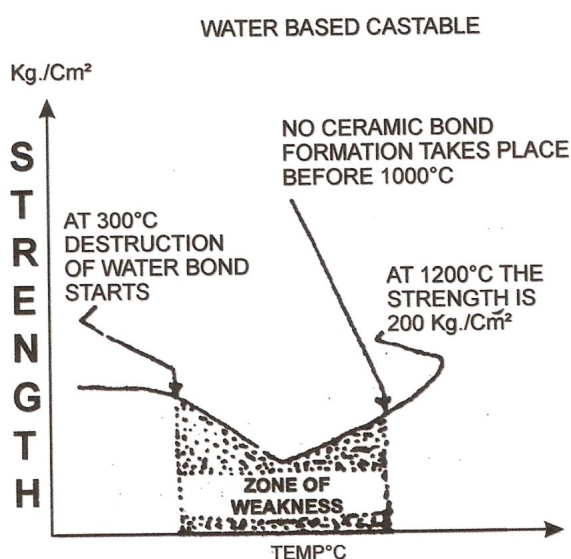
**GEL BONDED CASTABLE REFRACTORY
WITH BONDEX LIQUID**

MNC 90 Extreme Concrete is supplied in 25/50 Kgs. HDPE-Bag & Bondex Liquid in 05/10 Kgs. Can.
Mix 25 / 50 Kgs. Concrete Bag into 05 / 10 Kgs. Bondex Liquid for standard consistency.

MILLENNIUM X-LENT is to be used in the ratio of 5 parts CONCRETE to 1 Part Bondex Liquid.

TECHNICAL ADVANTAGES OF "MNC 90 Extreme" CHEMICALLY BONDED CASTABEL

- Below, graph shows comparisons between **WATER v/s CHEMICALLY BONDED CASTABLES**. It is interesting to observe that as water based Castables mostly operates in the Zone of weakness resulting in poor life. Whereas "**MNC 90 Extreme**" operates in ever increasing strength zone, resulting in better life of castables.



- Give X-LENTlent bonding with **OLD & NEW CASTABLES, BRICKS & STEELS**, however, standard anchoring system must be employed for best result.
- It can be used as an X-LENT **HOT-PATCH CASTABLE**.
- As the strength **GOES ON INCREASING WITH RISING TEMPERATURES**. It is much better than most of the Conventional Castables.
- It has very high fluidity, hence **NO SPECIAL MIXERS & VIBRATIONS** are required.
- It does not require **CURING**, actually is **HEAT CURED**, hence very user friendly.
- It **SETS HARD VERY RAPIDLY** hence turn round of furnace time is highly reduced.
- It gives **ULTRA HIGH STRENGTH** at all Temperatures with **NO ZONE OF WEAKNESS**.
- It can be used for **INSITU CASTING** & also as **TROWELLABLE** for patching.
- Increase workability, Reduce expensive maintenance.

"APPLICATION AREAS OF MNC 90 Extreme"

CEMENT PLANT : KILN HOOD, KILN INLET, CYCLONES, PREHEATER TOWER, KILN RISERS, HOT AIR DUCTINGS, TIP CASTING, COOLER SIDE-WALLS SPOUTS, BULL NOSE & ALMOST ANY KIND OF PATCHING.

STEEL PLANT : LADLE SAFETY LINING, LADLE TOP RING & SPROUT LIP AREA, COKE OVEN DOOR / INLET LIDS, RE-HEATING & ANNEALING FURNACES ETC.

Progress through innovation and service