

High  
Temperature  
Leakages

# MORSEL

## SOLUTIONS

for False Air Leakage

In Cement Industries KILN & POWER PLANTS



IS False Air Leakages eating away your PROFITS ?

IS False Air Leakages Walking away with your PRODUCTION Cost/Targets ?

Is Quality Control Depts. Not satisfied ?

Is 10/10 ( Less Plant Running Cost/Add Production ) Formula giving you sleepless nights?

THEN TRUST MORSEL

Our products are widely accepted and appreciated . We believe  
"CUSTOMER MUST GET FULL RETURN OF WHAT IS SPENT"

## Morsel Magna Fix

Product Grade 5117

### In Cement Industries Kiln

False air leakage is the inward (Suction) or outward leakage of air in cement plants from the Kiln, preheater, coal mill, raw mill etc. which lowers the productivity and increases the power consumption. When there is Suction the percentage of Oxygen increases and same is measured to calculate false air, more the oxygen contents more is the false air. Application of Magna Fix has brought the false air from As high as 20% to 4% resulting in huge power saving and increased productivity.

### In Power Plants

False air leakage also creates problems in Power Plants from Ducting, Boiler gates, Blower inspection window etc. which lowers the productivity by heat loss from inside, in turn heating the environment and increases the power consumption.

Conventional method to arrest false air leakage

The leak is detected by hearing the hissing sound and then it was tried to be stopped by traditional method eg glass wool putty that could be removed with a flick of the finger but what actually happened was that the hissing sound got reduced because of the glass wool putty and in turn the leak continued this could be checked even if you apply cotton on any small leak. The sound will vanish but in turn the method to stop the leak is lowering the productivity and increasing the power consumption, as the air still leaks through the fine pores.

Proven Quality, Leading Technology



## How Morsel Magna Fix works & Reduces power Consumption .

When there is inward flow of air the temperature inside the kiln falls down and in order to maintain it at 1400°C Two types of power are used firstly we have to increase the firing of Pet Coke (coal). Secondly we increase the fan speed to pump in extra cubic tons of air putting in extra Kilo watts of Electricity . When false air is brought down i.e. the inward flow of air is reduced both powers get reduced cutting the cost of production drastically.

Morsel Magna fix after achieving its cured state becomes rock hard ensuring no leaks which could be only removed by hammering.

### Morsel Magna Fix Product Grade No 5117

It is a three component system consisting of a resin ,hardener & filler. In a mixed ratio of 3:1:3 by weight, but filler ratio can be varied as per requirement of application up to 5.. In hardened condition Morsel Magna Fix 5117 gives excellent hardness, abrasion resistance. It can be applied in any required thickness and has a very unique combination of base and selected hardener and Filler, which together gives an excellent performance. Cures within 2 minute after applying at typical dry service temperatures of 1000°C.

Available sizes -21kg

**TYPICAL APPLICATIONS** for False air found at several leak sources

Can be used as a repair mortar/leak source on higher temperature applications such as Kilns, Cyclone Doors,cyclone pre heater, cyclone roof , pipe, flange ,Flap valves,Expansion Joints, Ducting Doors, Feeding Pipes, that is in Man hole, Check hole, Down pipe, Roof, Flap gate, and Sleep ring seal in kiln inlet.

Doors/Inspection windows of boilers etc.

#### Suggested Applications Places

Leaks Source at cyclone Preheater  
Cyclone roof is opened



Leaks Source at Down Pipe,flange is Open



**CONDITION DURING APPLICATION:** The temperature of the substrate should be minimum 10 °C above the dew point of the air. Higher the temperature Solidified Magnafix will achieve Higher Resistance to Temperature , load bearing, abrasion resistance properties. Relative humidity should be below 85%.

**Morsel Enggtech Pvt. Ltd.**

Ganeshan Complex,

146, Gumanpura Kotri Road Kota 324007 Rajasthan. INDIA

Phone :91 744 2390292, 2391392 , 2392492 Fax 2391392

Email :morsel @ rediffmail .com