



## **CARBIDE CERAMIC BURNER MOUTH**

**CERAMICS** has been the ultimate solution to Boiler Designers and users where due to requirements like temperature, Abrasive wear, chemical attack etc conventional metallic material and method do not give optimum results.

**BURNER MOUTH** has been an area of concern to Boiler designers, as the effect of thermal cycling, erosion due to flow of pulverized coal and high temperature combine to erode the conventional metal components and or castable Alumina. **CERATUFF SC** has been in use as **Burner Mouth** material in Europe for the last two decades. Today the same technology is available in **INDIA** through **HOFMANN- WEAR RESISTANT TECHNOLOGIES**.

**CERATUFF-SC** a product made with Silicone Carbide- the hardest synthesized material has become the prime candidate to withstand such service parameters. The combination of Silicone Carbide Grain with a special bond makes it suitable for tough operating conditions and unique for such applications. **CERATUFF SC** which has sliding abrasion resistance four times that of Ni-Hard, outlasts any other material in such application. Resistance to slag build up is also very high and thus it helps to prolonged life means less boiler down time for maintenance.

Burner Mouth are advance design system for burner and had advantages over the castable. The mouth are made with pre-fired CERATUFF- SC Silicone Carbide tiles, manufacture to close tolerances enables the quarls to be constructed with clear profiles, tight slag resistance joints and smooth non wetting surfaces. Maintenance fre life of more than 5 years can be achieved. For dual firing we can also suggest different grade of Ceratuff- Sc material so that it can resist both coal as well as oil.

For further details contact:

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