



VULCAN

REFRACTORIES APPLICATIONS INCINERATION

Process Information : CHP Plants

The current generation of Combined Heating and Power incineration plants, utilise the heat generated during combustion to produce power and hot water.

This design necessitates the use of a boiler to transfer the energy produced during combustion. Unlike a normal fossil fuel power generation boiler it is necessary to clad the walls with a high thermal conductivity material resistant to the corrosive nature of the combustion gases produced during the incineration process.



- Process temperatures - grate area circa 1250°C - boiler walls 400°C to 800°C
- Corrosive chlorine gases and compounds
- Variable atmosphere, oxidisation by steam and reduction by under combustion
- High abrasion in the feed table and grate areas
- Slag attack in the grate and lower side wall areas

DISCLAIMER

Any advice, opinion, recommendation or information is given to assist the use of the company's products but on the basis that the end user must ensure their suitability for the application intended.

In particular the company cannot accept liability for loss or damage which may arise from the incorrect use of its products or from poor workmanship on the part of the user.

Information is compiled from routine quality control testing and does not constitute a specification.

Information is provided in good faith and is subject to review whenever necessary and no guarantee or warranty is implied.

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