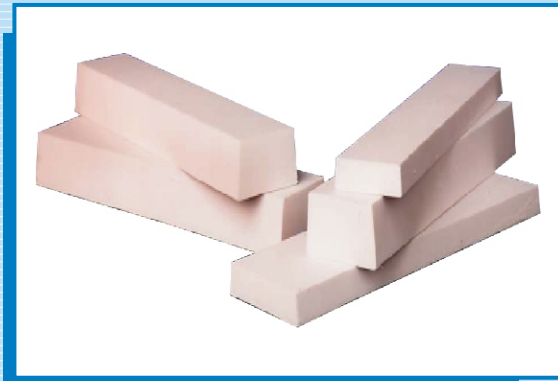
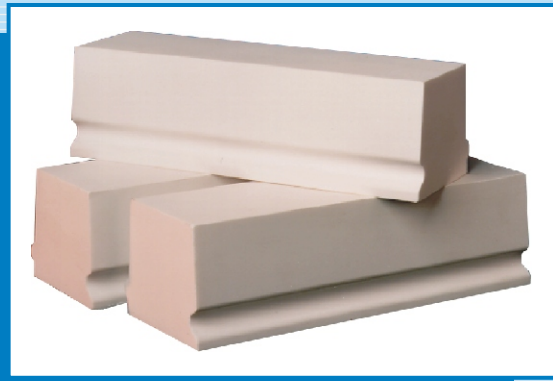


# HOFMANN CERATUFF ALUMINA LINER



# HOFMANN CERATUFF ALUMINA LINER

For Coal Fired Power Plant, Cement Plant, Steel Plant, Mining & Mineral Processing

HOFMANN now offers CERATUFF high alumina ceramic liner for highly wear prone application such as coal Fired Power Generation, Mining, Cement, Steel, Mineral Processing industries.

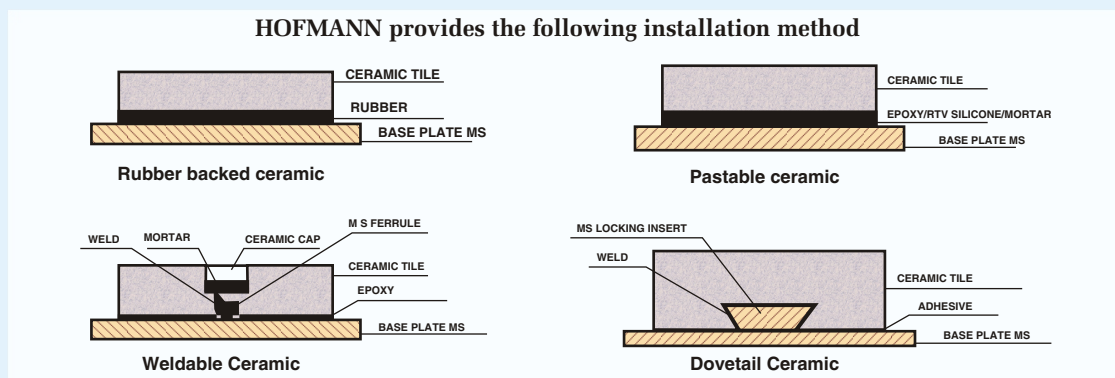
HOFMANN specializes in providing wear solution that can extend the life of your equipment in cost effective manner. CERATUFF is most frequently preferred wear resistant material. CERATUFF offers excellent mechanical properties, superior wear resistant and good corrosion resistant performance. Our engineers are available for customer service for application development including Material Selection, Lining Design, Fabrication and Installation. HOFMANN manufactures CERATUFF ALUMINA TILES in a variety of standard size and shape. Pre-engineering and advanced processing techniques enable Hofmann to manufacture CERATUFF in a variety of geometries from simple to complex shapes to suit the final application of the equipment

SR. NO	PROPERTIES	CERATUFF - 90	CERATUFF - 92	CERATUFF - 94
1.	Composition	>90% Alumina	>92% Alumina	> 94 % Alumina
2.	Specific gravity	3.4 to 3.6	> 3.6	> 3.75
3.	Maximum use temperature	1000 deg C	1000 deg C	1550 deg C
4.	Compressive strength (20 Degree Centigrade)	>3200kg/cm <sup>2</sup>	>3200kg/cm <sup>2</sup>	>3500 kg/ cm <sup>2</sup>
5.	Flexural strength (20 Degree Centigrade)	>2200kg/cm <sup>2</sup>	> 2200kg/ cm <sup>2</sup>	
6.	Hardness (On Moh scale Hv 10)	9	9	9
7.	Porosity	nil	nil	nil
8.	Coefficient of thermal expansion (20-1000 Degree Centigrade)	7.2 x10 <sup>-6</sup> per deg C	7.2 x10 <sup>-6</sup> per deg C	7.2 x10 <sup>-6</sup> per deg C
9.	Density	3.4-3.6 gm/cc	3.6 gm/cc	3.75 gm / cc
10.	Abrasion Test Loss	0.03gm. max	0.03gm. max	0.02gm. max
11.	Jet Erosion Test 45 deg	0.02max	0.02max	0.03max
12.	90 deg	0.04max	0.04max	0.04max
13.	Water absorption	<0.1 %	<0.05	<0.05%

## INDUSTRIAL APPLICATION :

Ball Mill, Bins, Hoppers, Chutes, Elbow, Classifiers, Cyclone, I.D. Fan, Mechanical Seals, Orifices, Ventury Collar, Ventury Vanes, Nozzles, Ash / Slurry Line component, Shaft, Sleeves, Pump Impeller and many more

Various type of pasting technique are available and has been indicated as below.



**Hofmann** |||

**Hofmann Engineering & Marketing Pvt. Ltd.**

**Wear Resistant Technology Division**

307, Shubham Complex, Vastrapur, Ahmadabad-380054, Gujarat, India.

Tel: +91 79 2685 3867/ 26850175 Fax: +91 79 2685 0175

E mail: info@hofmannindia.com

[www.hofmannindia.com](http://www.hofmannindia.com)