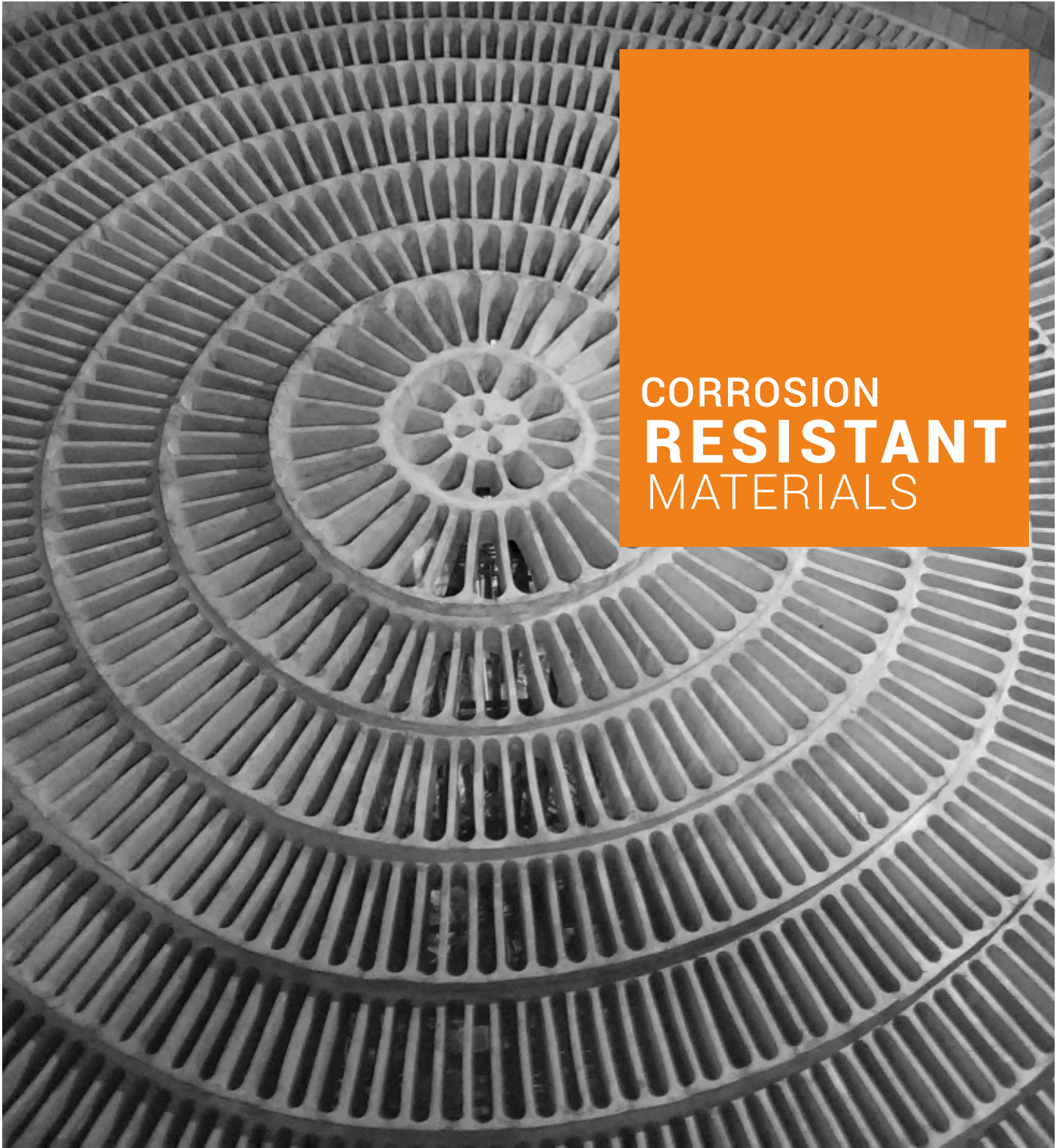




Total Refractory Expertise



CORROSION
RESISTANT
MATERIALS

www.pacificrefractories.com

INTRODUCTION

Pacific Refractories is a premium quality refractory manufacturer. It was established in 1994. Today, PRL has two manufacturing plants with laboratory facilities adopting ASTM and ISO standards for inspection and testing of products. The plants are ISO 9001:2008 certified.

With a view to diversify the product range, the company went into a technical collaboration with Premier Refractories, USA for manufacturing high grade alumina castables, low cement castables, ramming mass, plastics, high strength mortars, pre-cast shapes etc.

PRL has successfully produced and marketed its products for use in hydrocarbon, ferrous, non-ferrous, chemical, cement and other sectors. The products are also enlisted with leading consultants like Engineers India Ltd and MECON Ltd for supply and application of the products.

QUALITY ASSURANCE

We are fully committed to supply the best in class refractory products and we undertake stringent measures to ensure that we deliver quality materials as per specifications.

Our QA system consists of various checks at every stage of manufacturing – raw materials, trials and commercial production. This ensures that we deliver products, that will perform under the desired service conditions. Our quality system has been awarded ISO 9001:2008 certification by BM Trada for the entire range of our products.



BRICKS & TILES

- Acid Resistant Bricks are supplied in two qualities - Class-I & Class-II.
- Acid Resistant Class-I Bricks / Shapes are recommended for corrosive environments such as Sulphuric Acid Plants, Acid storage tanks, Pickling tanks, Sulphur Pits etc. They are also used in heavy duty floors which are subjected to frequent contact with corrosive acids.
- Acid Resistant Class-II Bricks / Shapes are recommended for floors & working areas which are subject to occasional spillage of acids or are in contact with dry chemicals, as in Fertilizer silos etc.
- Carbon bricks are recommended for areas with exposure to weak sulphuric acid, phosphoric acid, hydrofluoric acid etc. with temperatures upto 180 °C.



CASTABLE

- Acid Resisting Castables are used in Ducts, Stacks / Chimneys and other areas where the flue gas is acidic in nature.
- It is suitable for hand placement as well as gunniting.

MORTARS

- **CERABOND™-AR** is a special acid proof mortar. It consists of a liquid binder and silica filler. As the mortar contains no reactive ingredients, it has excellent resistance to concentrated acids and chemicals. The mortar is totally inert to all organic solvents.
- **FURALSET™** Mortar is a furane resin based bonding cement used for resistance to high concentration acids and alkalis and for temperatures up to 170 °C.
- **BITUMASTIC™** is used for applying as monolithic layer over concrete surfaces. It is a powder mix preparation. It is melted and applied hot in layers of approx. 6 mm thick. After proper application, this layer becomes practically impervious to fluids.
- **PHENOLSET™** is a phenolic resin cement. It is resistant to practically all non-oxidizing inorganic acids, organic acids, oil, grease and solvents. It is suitable for use upto 145 °C. It is however not suitable for use under alkaline conditions.



LINING & COATINGS

- Epoxy lining is used to create an impervious, corrosion proof layer on wall & floor surfaces which have frequent contact with corrosive media.
- Vinyl Ester have similar mechanical and thermal resistance to epoxy. However, they exhibit better chemical resistance than epoxy linings.



APPLICATION

		Sulphuric Acid Plant	Hydrochloric Acid Plant	Phosphoric Acid Plant	Hydrocarbon, Refinery	Chloro-Alkali Plant	Base Metals
Acid Resistant Bricks	IS-4860 : Class 1	■	■	■	■	■	■
	IS-4860 : Class 2	■	■	■	■	■	■
	IS-4457	■		■	■	■	■
	Dome Brick & Grid Bar	■					
Carbon Bricks	PACARB™ Series	■		■			
Dense Castables	PACAST™-AR	■	■	■	■	■	
Mortars	CERABOND™ - AR	■	■		■	■	■
	FURALSET™ Series	■	■	■	■	■	■
	PHENOLSET™ Series	■	■	■	■	■	■
Lining & Coatings	Epoxy based	■	■	■	■	■	■
	Vinyl Ester based	■	■	■	■		■
	Rubber Lining	■		■			■
	BITUMASTIC™ Series	■	■	■	■		■
Special Products	Partition Rings	■					
	Saddle Packings	■					



Steel Plant	Power Plant	Veg. Oil Plant	Fertiliser	Scrubber Systems	Wall, Floor, Dyke
■		■	■		
■		■	■		■
■		■	■		■
			■		
			■	■	
	■		■		
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■			■	■	■
			■		
			■	■	



Besides our standard products, we can prepare customised recipes to suit your process conditions.

Please speak to our experts regarding your custom requirements.

REFERENCES

Hindustan Zinc Ltd	Qatar Acids, Qatar
Reliance Industries	Bhushan Power and Steel
Grasim Industries	Mopani Copper, Zambia
Cargill India	Bharat Petroleum
IFFCO Ltd	OCP, Morocco
TATA Steel	Thermax
Rashtriya Chemicals and Fertilisers	AZOT, Russia
Technip India	McNally Bharat
Paradeep Phosphates Ltd	MKE, Turkey
Hindustan Petroleum	Mangalore Refinery
Sterlite Industries	Konkola Copper Mines, Zambia
Essar Oil	Andritz Metals
FACT, Kochi	Ruashi Mines, D.R. Congo



“ We recommend Pacific Refractories for their refractory materials and application expertise”

– Andritz Metals, India

“ They have a good team with solid application experience”

– Lambion Energy, Germany



SERVICES OFFERED

CONSULTANCY

- Field Investigations
- Troubleshooting
- Inspection Services
- Supervision Services

ENGINEERING

- Thermal Calculations
- Material Selection
- Detailed Engineering
- Construction Drawings

TOTAL REFRACTORY MANAGEMENT

MANUFACTURING

- Standard Product
- Custom Product
- Testing
- Packaging
- Delivery

APPLICATION

- Refractory application
- Thermal Dry-Out
- Commissioning
- Training



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