



RMS

REFRACTORY & METALLURGICAL
S O L U T I O N S

“Unlocking and creating value from mineral resources for the benefit of society”

OUR VISION

As with our founding shareholders of Vereeniging Refractories in 1882, RMS exists to unlock and create value from the mineral resources of this earth to the benefit of the greater society.

OUR MISSION

The Mission of the company is to be the preferred refractory and metallurgical solutions provider within Southern Africa and globally.

VALUE PROPOSITION

Customised refractory solutions that deliver superior value, exceed operational challenges, and meet the needs of tomorrow.

WHO WE ARE

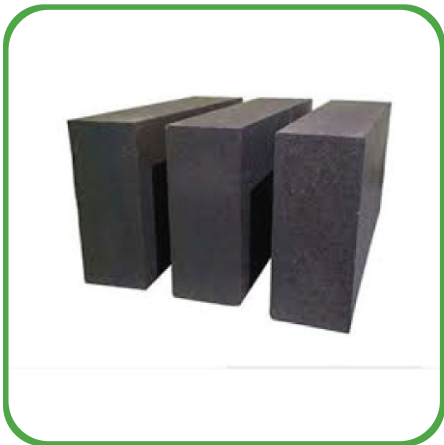
- Private South African owned refractory supplier of a full range of refractory products and services.
- Parent company started in 1882, as Vereeniging Refractories dominated the refractory market for over a century.
- Management buyout of Verref Shaped in 2014 from Vereeniging Refractories, after corporate unbundling.
- Changed name to Refractory and Metallurgical Solutions (RMS), in 2016, to date.
- Our team have come from successful operational leadership roles ranging from copper, lead, zinc, ilmenite, ferro alloys and iron and steel. This key strength allows our team to look at processes from a metallurgical and operational point of view before recommending bespoke solutions that will add significant value to our customers processes.



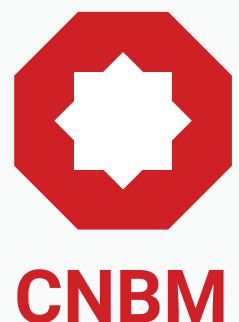
CAPABILITIES FOR SHAPED PRODUCTS – IMPORTED

Product Range:

Super Duty (40-45% Al₂O₃), VR60 (55% Al₂O₃), VR85 (83% Al₂O₃), VR90B (90-95% Al₂O₃), Veral 97 (+95% Al₂O₃), Veral 97C (Alumina Chrome), full magnesia range and magnesia chromite/ chromite magnesia brick (re-bonded fused grain brick and direct-bonded series).



- RMS has partnered with CNBM International, a Fortune 500 company in China, to manage the Chinese supply chain and provide technical expertise on all products. CNBM is a Fortune 500 company.
- RMS sources products from two dedicated plants in China. All products are produced under strict quality standards as approved by RMS.



RMS INSTALLATION CAPABILITIES

- RMS has partnered with PFB Refractory Services for all installation needs.



RMS CAPABILITIES FOR MONOLITHIC PRODUCTS

- Produce a full range of monolithic products which include, gunning materials, ramming masses, mouldable, Mortar, conventional castable, high strength castable (low cement)
- Produce basic, alumina silicate, high alumina and alumina chrome products specifically for base metals operations
- Only use the best available raw materials in products and do develop cheaper materials together with customers from recycled raw materials
- Precast shapes using the monolithic products.



In partnership with
LTM Technologies



RMS TECHNICAL SERVICES CAPABILITIES

1. A fully equipped technology centre is available at Vereeniging, offering the following services to RMS and customers:
 - Crushing and sample preparation facilities
 - Moisture and particle size analysis
 - Chemical analysis of refractory products using XRF
 - Phase determination by XRD and mineralogical services through our partner network
 - Rotary slag testing facility
 - Pot tests
 - Cold crushing and apparent porosities
 - Hydration test autoclave
 - Product development
 - Other refractory property testing at third party facilities (HMOR, Creep testing, permeability etc)
 - Post Mortem analysis of used and failed refractories
2. Partnership with CNBM on research facilities in China.
3. Close working relationship with Mintek Pyrometallurgical Division.



OTHER SERVICES OFFERED

- Refractory training for end users
- QC/QA services of product and installations
- Preventative maintenance through infrared imaging
- Consulting – operational, refractory and metallurgical
- Refractory storage
- Sourcing and managing supply chain of refractories from China

EMPOWERMENT INITIATIVES

- RMS currently has 34.8 percent HDSA* ownership in the company, of which 9 percent is owned by HDSA* women.

CORPORATE SOCIAL RESPONSIBILITY CSR

- Youth skills development through various training facilitators.
- Support of Thabeleng Disability Centre in Ba-Phalaborwa, Limpopo Province.
- Empowering local communities where our clients operate through initiatives to start sustainable business linked to RMS products and services. These businesses include refractory brick recycling and refractory installation companies.

MEET THE TEAM



DIRECTOR

Mark Kruger



DIRECTOR

Dennis Brazier



DIRECTOR

Dirk Robinson



DIRECTOR

Arno Dietrich

OUR CLIENTS - We proudly supply these & many more.





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