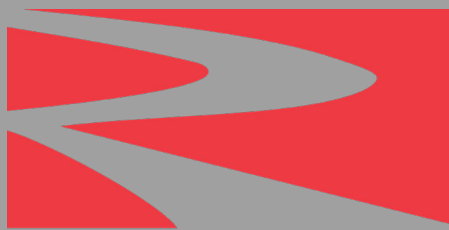


Blast Furnace

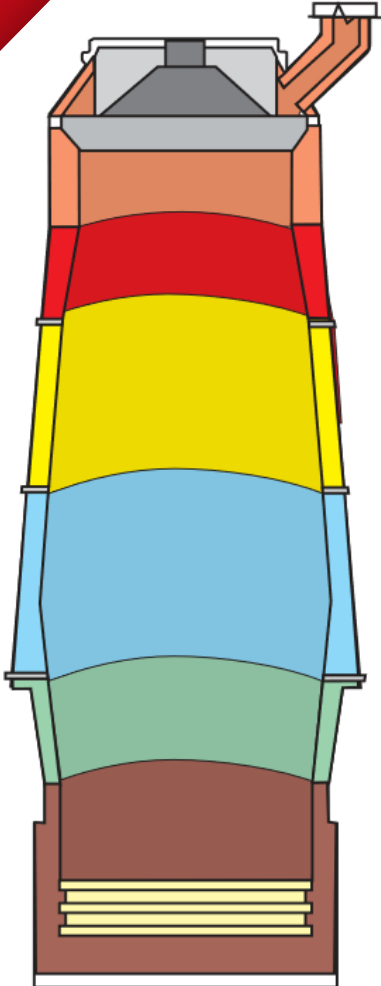


RESCO[®]
PRODUCTS, INC.

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Blast Furnace

Recommended Products



Applications

The acquisition of National Refractories alkali and creep resistant brick product line now gives Resco the opportunity to supply brick for blast furnace and blast furnace stove applications. The alkali and creep resistant brick brands listed below are high purity, low alkali, low iron oxide products made from high purity andalusite, alumina and clays. These brands are made at our ISO certified plant in Marelan, Quebec, Canada. The andalusite-containing products have the letter "A" as part of the suffix. These brands also have an "A" rating in the Carbon Monoxide disintegration test.

The Resco brand Rescal 90XD is a mullite bonded 90% alumina brick. Because of this mineralogical make-up and extremely high purity, Rescal 90XD is best characterized by exceptional refractoriness and high temperature strength. These properties translate to good mechanical stability of the Rescal 90XD in blast furnace bottoms.

Alkali Resistance

The manufacturing and formulation of Krial blast furnace brick is engineered to resist alkali attack (soda and potash). Hard firing reduces porosity and makes the brick less permeable to help prevent alkali penetration. In addition, stable, alkali-resistant materials (mullite) are present after high firing to further resist rapid alkali wear. The chemical compatibility of mullite to alkali attack is well documented.

Creep & Thermal Shock Resistance

Increased thermal shock, alkali attack and high temperature loading cause accelerated wear. In the blast furnace, such conditions require higher resistance than Krial 60. To meet these needs, the Krial family was expanded to include brick using andalusite to increase resistance to creep, spalling and alkali attack. Andalusite is a naturally occurring high alumina raw material that converts to mullite crystals when heated. In-situ mullite formation is noted by volume growth; products containing andalusite have always been characterized by excellent resistance to subsidence under high temperature loading. The andalusite mineral occurs naturally as a blocky character.

ALUTAB

KRIAL

LO-ERODE

METALDAM

PROGUN

RESCAL

RESCOCAST

	Products for Blast Furnaces		
	Brick	Monolithic	Mortar
Top	Krial 50-A	Rescocast 15 GM	Metaldam
Upper Interwall	Krial CFB	LoErode GM	Metaldam
Middle Interwall	Krial 50-A	LoErode GM	Metaldam
Lower Interwall	Krial 60-TI	Progun LC 80SCG	Metaldam
Bosh	Rescal 90XD	Progun LC 80SCG	Alutab
Hearth	Krial 60		Metaldam

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August 2018

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