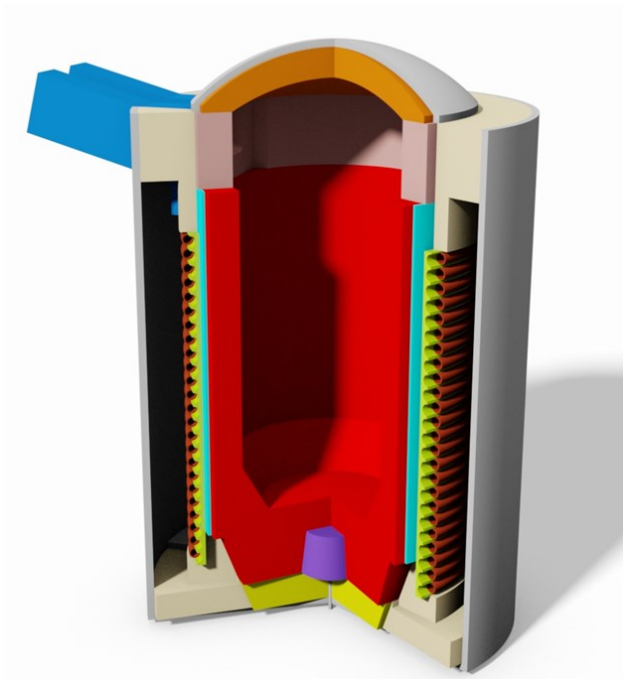


#### HIGHLIGHTS

- World renowned patented DRI-VIBE® product line for working linings
- A complete range of product compositions available for customization
- Wide selection of Precast Refractory Shapes available

#### ALLIED BENEFITS

- Global sales, service and engineering teams
- Flexible worldwide manufacturing and supplier capabilities
- State of the art research capabilities



Area	Products	Type	Percentage	Installation Method
WORKING LINING	DRI-VIBE® 520A	Alumina	90.7	Dry ram / Vibrate
	DRI-VIBE® 522A-FR	Alumina	80.7	Dry ram / Vibrate
	DRI-VIBE® 558A-FR	Alumina	90.7	Dry ram / Vibrate
	X-ACT Technology/ Precast Shapes	Alumina	60-95	Dry fit / Dry ram

Area	Products	Type	Percentage	Installation Method
SPOUTS	RAM MAX® 70 P FINE	Alumina	67.8	Hand / Pneumatic ram
	QUICK-FIRE® 88	Alumina	88.2	Vibration Cast
	Precast Shapes	Alumina	60-95	Dry fit / Dry ram

Area	Products	Type	Percentage	Installation Method
GROUTS	GROUT 163ACF	Fused Alumina	91.0	Trowel
	GROUT 563A	Fused Alumina	86.1	Trowel
	GROUT 663A	Fused Alumina	87.6	Trowel
	COIL-CAST 97A	Alumina	96.6	Self-flow / Vibration

Area	Products	Type	Percentage	Installation Method
STRUCTURAL COMPONENTS	LCF 47A-FR	Alumina	51.1	Vibration
	QUICK CAST® 62	Mullite	67.7	Vibration / Pump
	Precast Shapes	Alumina	50-95	Dry fit / Dry ram

Area	Products	Type	Percentage	Installation Method
WORKING LINING	MINRO-Z WASH Z77	Zircon	55.1	Brush / Trowel / Spray
	MATRIKOTE 90AC	High Alumina	90.4	Brush / Trowel / Spray

Area	Products	Type	Percentage	Installation Method
COVER	LCF 52A	Alumina	48.0	Vibration
	MATRIPUMP 50	Alumina	53.9	Vibration
	MINRO-FIRE CAST F80	Alumina	53.2	Vibration

Area	Products	Description
SLIP PLANE MATERIALS	VAPORSHIELD	Barrier to vapor and molten metal
	SINTERFOIL 50/40	Phlogophite mica slip plane with glass tissue fiber reinforcement
	GM 40SRP	Phlogophite mica laminated onto closely woven glass fabric layer
	MINRO WEAVE	Cloth made from texturized fiberglass yarns. Properties: chemical resistance, nonflammability, and excellent durability