



LINCO BAXO REFRACTORY INDUSTRIES IN THE IRON PRODUCTION PROCESS



linco baxo group of comp

The World of LINCO BAXO

Design, Development, Manufacture and Supply of Refractory Monolithics, Bricks, Blocks and

REFRACTORIES
EXPERTISE TOGETHER



LINCO BAXO GROUP OF COMPANIES

KEROTAP

TAP HOLE CLAY KEROTAP





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KEROTAP

TAP HOLE CLAY KEROTAP BRAND

	Al ₂ O ₃ %	SiO ₂ %	C %	SIC %	DENSITY (KG/Dm ³)	CCS N/mm ²	GRAIN SIZE (mm)
KEROTAP S 15	8	71	8	-	1,9	0,8	0-3
KEROTAP STF 1	8	71	6	-	1,9	0,8	0-3
KEROTAP S 15 D	8	71	8	-	1,9	0,8	0-3
KEROTAP 40	37	30	15	-	1,9	0,8	0-3
KEROTAP 45		42	15	-	1,9	0,7	0-3
KEROTAP 50	55	20	10	10	2,05	0,9	0-3
KEROTAP 50 P	47,5		20	15	2,1	0,9	0-3
KEROTAP 40 TFI	8	71	8	-	1,9	0,8	0-3
KEROTAP 40 TF	27	33	15	10	2,1	0,8	0-3
KEROTAP 60 TF	70	-	10	10	2,1	0,9	0-4



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TAP HOLE CLAY KEROTAP IS

- Refractory material
- Plastic material
- Unshaped material
- Ready to use





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TAP HOLE CLAY KEROTAP

- Needs to be stable in storage
- Needs to stay soft in the gun
- Needs to fully fill the tap-hole
- Needs to set off hard in a defined time
- Needs to drill easily
- Needs to resist the flow of iron and slag
- Needs to wear at a defined rate



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TAP HOLE CLAY KEROTAP COMPOSITION

- Refractory Aggregate (ie silica carbide, corundum)
- FeSN/Si/Al/other additives
- Superfine Powder eg Ball Clay
- Carbon Powder or Pitch
- Phenolic Resin
- Other Binder /plasticer (ie oil etc)



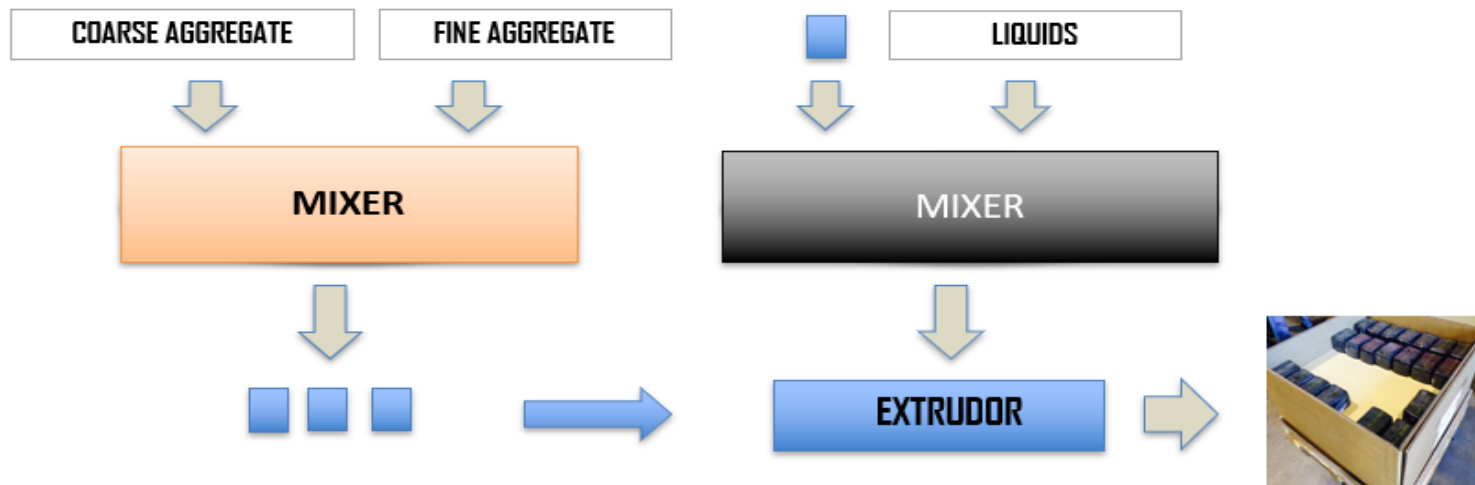


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TAP HOLE CLAY KEROTAP PROCESS

- Dry mix production
- Liquid addition and extruding





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TAP HOLE CLAY KEROTAP CONCEPT

- Storage : 0-20°C, no direct sunlight, no rain exposition
- Packaging : 6 kg plastic wrapped blocks in carbon box
- Shelf life : 6 Months





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TAP HOLE CLAY KEROTAP CONCEPT

- Tap-hole clays are a complex mixture of refractory materials and organic binders
- It can be designed specifically for an individual blast furnace
- Material development depends on good information and feedback



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THANK YOU