



SHARADAA

CERAMICS PVT LTD

Passion. Performance. Pride.

ISO 9001:2015

ALUMINIUM INDUSTRY

Aluminium Melting & Holding Furnace

Non Wetting Castable For Seamless Aluminium Flow

**Sharadaa offers Dismantling, Supply, Application, Heat
Curing on Turnkey Basis**



Nano bond 80Al – Hot Face Castable

- Provides Nonwetting Characteristics against Molten Aluminium
- Reduced Slag & Dross Formation
- Excellent Resistance to Corrosion , Erosion & Thermal Shock
- Superior Hot Strength, Mechanical Stability
- Improved Density, Reduced Porosity
- Selection Of Special Insulation Materials To Reduce Heat Loss & Skin Temperature
- Cleaner Aluminium Production
- Anchor Free Lining



Special Refractories

Built for Longevity & Performance

- **Velcrete SF 204**
 - ❖ Gel Bonded Castable used in Burner Area to ensure fast heat up with Protection against molten metal, fluxes, and slags
- **Phosphate Bonded Bricks & Fiber Cast Bricks**
 - ❖ For impact & Abrasion Resistance in Melting , Holding & Tower Furnace.
- **Restocrete**
 - ❖ For Crack Sealing, Maintenance Repair Application
- **Velcrete PCF 45**
 - ❖ Top Blocks for Anode Baking Furnace @ Primary Aluminium Smelters
- **Precast FS 90**
 - ❖ Precast Launderers to carry Molten Aluminium in Cast House



Before Deshuttering



DeShuttering



After Deshuttering





Castable Casting Completion



Holding Furnace



Melting Furnace



Tower Melting & Holding Furnace



Restocrete Coating



Rotatory Furnace After Completion



Aluminium Transfer Ladles





Refractory Relining Work in Melting & Holding Furnace



1 Holding Furnace Top Cover Open



2 Dross and Corundum Removal



3 Existing Refractory Removal



4 Furnace Front Door Side Plate Change



5 Holding Furnace Shell Plate Cleaning



Refractory Relining Work in Melting & Holding Furnace



6 Ceramic Fiber Paper & Hysil Board Fixing



7 Insulation Bricks Lining



8 HA Bricks and P205 Bricks Lining



9 Plywood Fixing for Castable Lining



10 Castable Lining Completed



Refractory Relining Work in Melting & Holding Furnace



11 Furnace Top Cover Fixing



12 Furnace Coating Work Completed



13 Preheating Started



14 Production Commenced