



RENO REFRACTORIES, INC

Reno Electro MulVibe 60

TECHNICAL DATA SHEET

Reno Electro MulVibe 60 is a high purity, Mullite based, dry refractory castable with SiC additions. It is designed for lining induction coreless holding and melting furnaces for iron and its alloys. The SiC component increases corrosion resistance against slag for extended life. This product is a dry vibration set castable that rapidly densifies with external vibration. High densities are reliably obtained when the product is compacted using a traditional vibrator arrangement. The unique bonding system increases corrosion resistance due to a low porosity micro-structure with very small pore sizes.

- Due to the dry, moisture free composition, a rapid heat up/sintering schedule is used to reduce repair turnaround time.
- A non-wetting surface is formed which prevents chemical reactions from occurring. Superior performance in contact with copper alloys reduces contamination from soluble materials often found in other refractory sources.
- Improved sintering occurs due to enhanced colloidal particle packing.
- The Electro Bonding improves erosion resistance and density by controlling static charging of particles. Because of the unique composition, extremely corrosion resistant phases are formed.
- Very low dust levels which will reduce the exposure to respirable silica.

Service Temperature: 3000°F / 1649°C

Wt. Required for Estimating: 155 lbs./ft³

Initial Sintering Temp: 1500°F

Storage Life: 12 months if stored in dry, temperature-controlled air.

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	SiC	B ₂ O ₃	TiO ₂
59.44	29.41	1.03	5.78	0.75	1.93

TYPICAL COLD PHYSICAL PROPERTIES

Prefired to °F / °C	Bulk Density lbs./ft ³ / g/cm ³	True Density lbs./ft ³ / g/cm ³	Cold Crushing Strength psi / MPa	Apparent Porosity (%)	Linear Change (%)	Median Pore Diameter (µm)
2400 / 1316	151.57 / 2.429	188.88 / 3.027	2323 / 16.02	19.76	0.1	5.20
2600 / 1427	156.18 / 2.503	187.84 / 3.010	3006 / 20.73	16.86	0.5	9.70
2732 / 1500	145.83 / 2.337	185.39 / 2.971	3001 / 20.69	21.32	1.3	12.46

Packaging: 40/55# bags per pallet; 2/1,100# bulk bags per pallet; 4/550# bulk bags per pallet

EBCO 24-122 E

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

Reno Refractories, PO Box 201, Morris, Alabama 35116
205.647.0240 | Toll Free 1.800.741.7366