

## USER MANUAL FOR AIRSET MORTAR

### Description:

**AIRSET MORTAR** is a premixed wet refractory cement which is specially developed for laying, pointing, surfacing, preventing leakage of firebricks and cold patching, filling cavities & repairing of many other equipment such as chimneys, fire pit, barbeque, pizza oven etc. It sets at room temperature and its strength increases with rising temperature. It has much higher strength compared to ordinary fireclay /mortars and binds bricks to the each other in a way that reduces structure troubles and ensures much longer life, thus making each joint a perfect joint. It is extremely volume stable and makes the construction gas and air tight to ensure higher thermal efficiency in structure.

### Feature:

- It is air setting i.e. it sets hard at room temperature
- It has good thermal resistances characteristics at high temperature application
- Its suitable for insulating fire brick / fire brick laying
- It's strength increase with rising temperature
- Protect fire bricks linings against corrosion of slag, gases & ash
- It is provide thin, compact joint bricks to brick and makes the whole masonry work one solid piece
- It has low shrinkage

### Properties:

Service Temperature	: 2732°F (1500°C)
Bond	: Ceramic & Chemical
Grain Size	: 0 – 0.5 mm
Initial Setting Time	: 4 Hours
Final Setting Time	: 8 Hours
Mortar quantity required per brick (9" x 4.5" x 2.5")laying	: 7 Oz (200 Grams)

### Application Process:

#### For New Bricks Lining

- Prior of Application, the substrate area & firebricks must be cleaned with the help of paint brush, No rust, oil and grease should exist on the insulating fire brick / fire brick.
- Open container and remove mortar as require quantity for bricks & put in flat container
- Properly mix the mortar through hand trowel for 2 to 3 min
- Laying the mortar on the surfaces of brick where bricks to brick joint
- Then Joint bricks to brick by sliding method & slightly hammering through rubber hammer for making uniform thin layer joint.
- Please make sure that thickness of the mortar joint should not exceed 1/8"
- After initial setting time, clean the excess grow up mortar from brick joint through trowel or brush
- Wait for final sitting time & then fire up slowly

#### For existing lining repair / filling cavities

- Clean the area properly through brush or vacuum cleaner,
- Fill the mortar in cavity
- Wait for final sitting time & then fire up slowly

### Safety Precautions:

- **MAY IRRITATE EYES. MAY IRRITATE SKIN.**
- Do not get in eyes.
- Do not get on skin or clothing.
- Do not breathe fumes.
- Keep out of reach of children

### First Aid Treatment:

Contains crystalline Silica. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, rinse well with water. If breathed in, move person into fresh air.