

## TECHNICAL DATA SHEET

### Furan Resin Mortar :

Furan Resin Mortar is widely used for Acid Resistant Bricks & Tiles lining works as Bedding & Jointing Mortar for Tanks, Floor, Drain, Foundation, Chemical Reaction Vessels, and Neutralization Pit etc.

**Resistant:** It is resistant to Non-Oxidizing Acids, Alkalies, Salt, Solvents, Greases, Detergents and Oils.

**Resistant totemperature:** 170°C (Max.)

#### Preparation of Mortar:

Preparation of Mortar generally consists of Solution & Powder. In order to obtain good working consistency, the average mixing ratio is 1 Pbw of Solution & 3 pbw of Powder. This ratio will slightly vary depending upon the temperature and working conditions.

Prepare small batches of Mortar. Stirrer the Solution thoroughly before use. Place the Solution in a suitable mixing pan and add powder in it. Mix thoroughly with a spatula or Trowel. The mixing operation shall be continued until a uniform mixture is obtained.

Make sure that all the Mortar is used from the mixing pan before another batch is prepared.

#### Surface Preparation:

The cement plastered surface shall be slightly rough in line & level , dry & clean, free from dust, dirt, grease, oil etc., maintaining required slope etc. as no slope can be adjusted or altered in Acid proof lining works.

#### Setting/Curing:

Furan Resin Mortar is a Self-hardening due to its chemical reaction which occurs when the Powder & Resin are mixed together.

An initial setting occurs in 6 to 8 hrs. at 30°C

Final Setting occurs in 24 to 48 hrs. at 30°C

Curing time: 7 days at 30°C

Please ensure that no water shall be spilled over the bricks lining works before it completely cured.

#### Mechanical/Physical property (As per IS-4832 Part-II) :

Working time at 30 °C	: 20 minute (min)
Density of cured mortar	: 1.8 grm per cc
Bond strength	: 10 Kg.Cm <sup>2</sup>
Compressive Strength	: 350 Kg/Cm <sup>2</sup>
Flexural Strength	: 75 Kg/Cm <sup>2</sup>
Water Absorption	: 1%

#### Storage Life

Solution :12 Months at the temperature 30°C (±2°C)

Powder :6 Months at the temperature 30°C (±2°C)

All two components are stored in cool and dry place under the roof until ready to use it original unopened (Sealed) containers.

#### Packing:

Solution : 25 Kg. in M.S. Drum

Powder : 25 Kg. in Plastic Bag.

**Export packing :** As per customer's requirement

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