



DATA SHEET IK-FURAN RESIN MORTAR

IK - 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, Alkalis, Salt, Solvents, Greases, Detergents and Oils.

Resistant to temperature: 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 gram per cc
Bond strength	10 Kg.Cm ²
Compressive Strength	350 Kg/Cm ²
Flexural Strength	75 Kg/Cm ²
Water Absorption	1%



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Storage Life

Solution: 12 Months at the temperature 30°C (+20C)

Powder: 6 Months at the temperature 30°C (+20C)

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