



# PACIFIC REFRACTORIES



## FURANE RESIN BASED BONDING CEMENT

### FURALSET™

A Furane resin based bonding cement employed for resistance to acids and alkalies for high concentration and for temperature upto 170° C.

**Presentation:** Supply is effected in two parts:

**Liquid :** in plastic container/metal container

**Powder:** in Polythene lined gunny bags of standard packs of 50 kg. Nett.

**Mixing Ratio:**

Liquid : Powder = 1:3

The above ratio is recommended but adjustments can be made depending on the application.

**Shelf Life:**

Liquid shelf life is 12 months if stored at 25° C and powder can be stored for 12 months in dry covered space.

**Physical Characteristics:**

|                                  |                          |
|----------------------------------|--------------------------|
| Working time at 27±2° C (min.)   | : 30 minutes.            |
| Compressive Strength             | : 350 kg/cm <sup>2</sup> |
| Water absorption                 | : 1% (by wt.)            |
| Temperature limit of Application | : 170° C                 |

**Working and application:**

The mortar being expensive should be made in small batches of half a kilogram at a time and shall be consumed within half an hour of preparation. While preparing and using it should be ensured that no extraneous material goes into the mortar failing which desired results cannot be free of rust and dust. The surfaces being lined as also joints shall be devoid of dirt, oil, grease, other foreign matter etc. and dry to achieve best results.

#### CHEMICAL RESISTANCE CHART

Code: R= Resistant NR= Non Resistant

#### Chemicals

|                               |     |
|-------------------------------|-----|
| Acetic Acid                   | R.  |
| Alum                          | R.  |
| Ammonium Chloride             | R.  |
| Ammonium Nitrate              | R.  |
| Ammonium Sulphate             | R.  |
| Calcium Hydroxide             | R.  |
| Calcium Nitrate               | R.  |
| Chlorine (Gas)                | NR. |
| Chromic Acid                  | NR. |
| Dichlorobenzene               | NR. |
| Fluosilic Acid                | R.  |
| Hydrochloric Acid             | R.  |
| Hydrofluoric Acid (48% Conc.) | R.  |
| Magnesium Chloride            | R.  |
| Mineral Oil                   | R.  |
| Nitric Acid                   | NR. |
| Phosphoric Acid               | R.  |
| Potassium Chloride            | R.  |
| Potassium Dichromate          | R.  |
| Sodium Dichromate             | R.  |
| Sodium Carbonate              | R.  |
| Sodium Chromate               | R.  |
| Sodium Hydroxide (50% Conc.)  | R.  |
| Sulphuric Acid (70% Conc.)    | R.  |

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**Storage:** To be stored under shade, in a cool and dry place.

**Notes:** Please refer installation and dry-out sheets prior to application.

The data given above are based on average of test results on sample from routine plant production by standard testing procedures. Variation from above data may occur during individual tests. This does not constitute a guarantee figure. For best results please refer to our instructions for application OR contact our representative for guidance. The suggested use assumes that all precautions and safety measures are taken care by the user.

**For more information, please contact:**

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