



PACIFIC REFRACTORIES



FURANE RESIN BASED BONDING CEMENT

FURALSET™(CF)

This is furane based bonding cement for acid proof applications specially suited for acidic conditions where fluorine (hydrofluoric acid) is present. Here the powder component is carbon (graphite) powder.

Presentation:

Supply is effected in two parts:

Liquid: in plastic container/metal container.

Powder: in Polythene lined bags of standard packing of 30 kg.

Mixing Ratio:

Liquid : Powder = 1:1

(Slight Adjustment can be made depending on the application).

Shelf Life:Liquid shelf life is 6 months if stored at 18° C and powder can be stored for 6 months in dry covered space.

Physical Characteristics:

Working time at 27° C (min.):	: 30 minutes.
Compressive Strength	: 500 kg/cm ²
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.

Applications: It is generally used in lining of carbon bricks mainly phosphoric acid plants and storage tanks and any other application where acid may contain HF or Fluorosilicic acid. It is also suitable for lining in WASHING towers where roaster gases are washed with water/dilute acid. It is also used in lining of mixture in single sulphur phosphate fertilizers.

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.
Fluosilicic 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.

FURALSET™

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:

Office: C-16/3, TTC, MIDC Area, Pawane, Thane-Belapur Road, Navi-Mumbai, 400705. India
info@pacificrefractories.com