



## VIJAYKUMAR REFRACTORIES & CHEMICALS PVT LTD.

MANUFACTURERS  
& APPLICATORS

REGD. OFFICE  
PHONE  
EMAIL  
WEB

ACID/ALKALI PROOF TILING, EPOXY/PU SCREEDING, SELF LEVELLING,  
WALL COATINGS & ALLIED JOBS

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### VIKOPROOF-CNCASHEW RESIN BASED CEMENT

This is a two-part resin bonded mortar based on cashew nut shell liquid resin, which is a substituted phenol formaldehyde resin. The powder component consists of blend of inert finely divided fillers and an aldehyde in powder form to promote setting of the resin. Where resistance to hydrofluoric acid and other fluorine-containing chemical is required, finely divided carbon is used as filler in place of the siliceous materials.

The cement is mixed in the ratio of two parts by weight of powder to one part by weight of resin. It attains its final properties after about seven days at temperatures between 55 deg. F (13 deg. C) and 60deg. F (16 deg. C).

**VIKOPROOF-CN** has good resistance to mineral acids upto 60% concentration and to oxidizing acids such as chromic and nitric at concentrations up to 20%. It will resist alkaline conditions, including caustic alkalis, fats and many organic chemicals, particularly solvents. It has an operating temperature-ceiling upto 240 deg. F (116 deg. C)

Due to the dilatant nature of the material, it is our normal practice to employ it as a jointing material. Where its use is specified, it is usual to bed the pavers of tiles in alternative corrosion resistant cement and to joint in **VIKOPROOF- CN** cement.

Because of its excellent resistance to acidic conditions generally, including oxidizing acids, it is used widely in the electroplating industry. Disposal of acidic effluent poses problem in this and many industries and **VIKOPROOF- CN** plastic cement is the ideal material for jointing earthenware pipe work where spigot and socket joints are used. In this respect, used in conjunction with asbestos rope, it forms a joint, which is impermeable to the liquors, is completely inert to them and also retains a slight degree of flexibility, which is sufficient to compensate for settlement of the underground pipes.

This slight flexibility is taken advantage of in cases where extremely high concentrations of acids are likely to have an adverse effect on conventional expansion joint materials such as the silicones and polysulphides. In this case, it has proved advantageous to employ the less flexible, but more chemical resistant **VIKOPROOF-CN** plastic cement.

Reinforced with glass fiber in the form of woven cloth, **VIKOPROOF-CN** plastic cement is sometimes used as a membrane under a paved floor finish. In this case, the sub-floor is first primed with **VIKOPROOF-LAT** latex cement and when dry the plastic cement is applied by steel float to be specified thickness. The glass cloth is then rolled into the plastic render and a further render is applied on top so as to impregnate the glass cloth fully.

Besides the plating industry, **VIKOPROOF-CN** cement is used in ferrous and non-ferrous pickling plants and the general and heavy chemical industry.



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### **PHYSICAL PROPERTIES:**

|   |                    |
|---|--------------------|
| <b>Standard Color</b>                           | <b>- DARK GREY</b> |
| <b>Density</b>                                  | <b>- 2.1</b>       |
| <b>Tensile Strength (Kg/cm<sup>2</sup>)</b>     | <b>- 35</b>        |
| <b>Flexural Strength (Kg/Cm<sup>2</sup>)</b>    | <b>- 75</b>        |
| <b>Compressive Strength (Kg/Cm<sup>2</sup>)</b> | <b>- 300</b>       |
| <b>Water Absorption (%)</b>                     | <b>- 0.3</b>       |

### **PROCEDURE FOR USE:**

Lay the acid proof tiles in the bedding of **VIKOPROOF –SDK** silicate cement keeping the joints between the tiles at least **3-4mm wide** and 8 to 10mm deep.

After the bedding cement is cured and has become dry, trowel the **VIKOPROOF-CN** mortar prepared by mixing the resin and the powder in the ratio 1:3 between the joints. Skim off the excess material to obtain a smooth and even joint

Alternately **VIKOPROOF-CN CNSL Cement** can be used for fixing of tiles in bedding and jointing also.

### **PACKING:**

**VIKOPROOF–CN Powder- 50 Kg bags**

**VIKOPROOF –CN Resin Binder - 25Kg carboys**

For Further Details Contact:

### **REGD OFFICE:**

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**Note: All recommendations for use of our products, whether given by us in writing, verbally or to be implemented from the results of tests carried out by us are based on the current state of our knowledge. Although the information given in the sheet is accurate to the best of our knowledge, no liability can be accepted in respect of such information.**

