



# COROPHEN

## DESCRIPTION

COROPHEN is a two component modified Phenolic resin cement used for setting acid resistant brick / tile. The advantage of this product is that it is relatively inexpensive and can withstand both acidic and alkaline environment.

## USE

COROPHEN is used extensively as a pointing material in various areas like floors, drains, tank farms, foundations, dados and a host of other places.

COROPHEN is used in industries like Steel, Dyes and Pigments, Chemicals, Petrochemicals, Fertilizer, Sulphuric and Phosphoric Acid plants etc.

## PHYSICAL DATA

Mixing Ratio, pbw Powder : Syrup	3 : 1
Colour	Black
Density, Kg / m <sup>3</sup>	1800 – 1950
Working time at 27±2 <sup>0</sup> C, minutes, min	20
Setting time at 27±2 <sup>0</sup> C, minutes, max	300

## PROPERTIES

Property	After 3 days
Flexural Strength, Kg/cm <sup>2</sup> , min	35
Tensile Strength, Kg/cm <sup>2</sup> ,min	18
Compressive Strength, Kg/cm <sup>2</sup> ,min	90

Property	After 3 days
Water Absorption, in %, max	1
Temperature resistance, <sup>0</sup> C, max	130

## APPLICATION INSTRUCTIONS

COROPHEN is applied over a suitable membrane. Small quantities of COROPHEN mortar should be mixed (say 0.75 Kg in case of pointing and about 2 Kgs in case of bed and joint) which can be consumed within the specified workable time.

### Mixing:

Required quantity of the syrup is taken in a clean vessel and proportionate quantity of powder (3 parts by Wt. of Powder to 1 part by Wt. of Syrup) added slowly and mixed thoroughly till a lump free mortar is obtained. Mix ratio can be slightly adjusted (±10%) to suit the site condition.

### Application:

The prepared mortar is applied on the back and sides of the brick / tile and pressed firmly on the surface so that the bedding is uniform. In case of pointing only, the mortar is filled to the entire depth up to which the jointing material is racked out.

The surplus material is removed from the joint carefully without smearing on the tile surface.

### Precaution:

Do not use COROPHEN mortar when the temperature falls below 15<sup>0</sup>C, since the mortar will take considerably longer time to set.

Note: When COROPHEN is used for pointing tiles bedded with CEMENT PRODOR SK mortar, the

# COROPHEN

joints should be cured with dilute (30%) Hydrochloric acid.

In case the powder becomes wet, dry the same under shade thoroughly. Mix small quantity of syrup and powder (for test purpose). If the mortar sets within the specified time, the powder can be used.

## CLEANING

All tools and equipments should be cleaned with solvents like acetone immediately after use

## CHEMICAL RESISTANCE

COROPHEN mortar is suitable for many organic and inorganic acids, alkalies, and salt solutions. It is, however, not suited for solvents, oil and grease.

For specific chemical resistance, please contact our Tech. Service Dept.

## PACKING

COROPHEN Powder 40 Kg in HDPE bag.  
COROPHEN Syrup 40 Kg in drum.

## STORAGE & SHELF LIFE:

Store the powder and the syrup in a cool and dry place, in a tightly closed condition, away from water, sunlight and heat and syrup has a shelf life of 6 months at ambient temperature and powder has a shelf life of 9 months at ambient temperature.

## HEALTH & SAFETY:

While handling the powder and during mixing, use mouth mask and goggles. It is advisable to carryout the mixing in a well ventilated area, as the powder may cause irritation to the eyes. If irritation persists, seek medical aid. In case of contact with eyes, wash with large amount of water and consult a doctor.

## ADDITIONAL INFORMATION

Prodorite Anticorrosives Ltd. also supplies other acid, alkali and chemical resistant brick / tile linings, Polymer concrete products, Construction chemicals like concrete repair and rehabilitation products including protective coatings, epoxy and polyurethane coatings and floor toppings, Chemical storage tanks, vessels, scrubbers, pipes and fittings, other custom-built items in FRP, PP-FRP, PVC-FRP & PVDF-FRP, FRP Gratings, etc.

## WARRANTY

Whilst Prodorite Anticorrosives Ltd. strives to ensure that any advice, information or recommendation given are appropriate and correct, it cannot accept any liability directly or indirectly arising out of the products, since the method and place of application of the products are beyond its control. Its guarantee is therefore limited to the quality of materials delivered.



## PRODORITE ANTICORROSIVES LIMITED

(A Subsidiary of Carborundum Universal Ltd.)

**Specialists in Corrosion Management since 1962**

57 & 58, Thattankulam Road, Madhavaram, Chennai – 600 060.

Phone: 25530953 – 56 Fax: 044-25530374. e-mail: prodorite@vsnl.com



**CHENNAI**  
Ph.: 044 25530953-6  
Fax: 044 25530374

**DELHI**  
011-25726908  
011-25860132

**MUMBAI**  
022-22661018  
022-22620607

**KOLKATA**  
033-22833160  
033-22833160

R1/2007

**WE PROTECT...**

**WE RESTORE...**

**WE INNOVATE...**