



CEMENT PRODOR SK SPECIAL



DESCRIPTION

CEMENT PRODOR SK SPECIAL is a two-component silicate cement consisting of CEMENT PRODOR K Solution Special grade and CEMENT PRODOR S Powder and is used for setting acid proof tiles / bricks. CEMENT PRODOR SK SPECIAL conforms to IS 4832 Part I and ASTM C 466 -86

USES

CEMENT PRODOR SK SPECIAL is extensively used as bedding cement in various areas like floors, drains, chimneys, tanks farms, foundations, effluent treatment tanks and a host of other places

This cement is used in sulphuric acid plant for various towers like initial absorption tower, intermediate absorption tower, final absorption tower, sulphur melting pit, and other areas, and also in battery manufacturing units.

PHYSICAL DATA

Mixing Ratio, pbw Powder : Solution	3 : 1
Colour	Off White
Density, Kgs / M ³	2140 - 2300
Working time at 27±2 ° C, Minutes, Min	20
Setting time at 27± 2 ° C, Minutes, Max	300

PROPERTIES

Properties	After 7 days
Flexural Strength, Kgs/cm ² , Min	45
Tensile Strength, Kgs/cm ² , Min	23
Compressive Strength, , Kgs/cm ² , Min	160
Bond Strength, Kgs/cm ² , Min	5
Toluene absorption, Max	18
Temperature resistance , °C, Max	900

APPLICATION INSTRUCTIONS

Acid Proof tile / brick lining silicate cement as bedding is done over a suitable membrane

MIXING

A required quantity of “ K” solution special grade is taken in a clean vessel and proportionate quantity of “S” powder added and mixed thoroughly, till a lump free mortar is obtained. The mix ratio can be slightly adjusted (± 10%) to suit the site conditions. Only sufficient quantities of CEMENT PRODOR SK SPECIAL mortar, which can be consumed within the specified workable time should be mixed

APPLICATION

The prepared mortar is applied to the back and on the sides of A.R. brick / tile and pressed firmly on the surface so that the bedding is uniform.

In case pointing is to be done using a resin cement, the point is raked out to the required depth after the cement sets partially.

The exposed joints are trusted are brushed with dilute hydrochloric acid solution (1 part of acid + 2 parts of water) to ensure proper setting of the cement.

PRECAUTION :

1. Tanks/ Vessels lined with CEMENT PRODOR SK SPECIAL cement must be first filled with dilute acids and not with water alone
2. Water should not be a added to the mortar to adjust workability
3. When the temperature drops below 15°C silicate solution sends to crystallize; so the working / setting time gets prolonged. Hence, it is not recommended to mix silicate mortar below 15°C
4. In case if the powder is wet, it may be dried under shade. For test purpose, small quantity of powder is mixed with the solution and if the mortar sets within the specified time, then the powder can be used

CLEANING

Immediately after application, clean the tools, tackles and the mixing container using water

CHEMICAL RESISTANCE

CEMENT PRODOR SK SPECIAL is resistance to:

- All acids including oxidizing acids, except Hydrofluoric acid.
- Acidic, Neutral salt solutions and solvents
- 10% acidic and 70% sulphuric acid

It is not resistance to alkaline and water spillages.

For specific chemical resistance details, please contact our Technical Services Department

PACKING

CEMENT PRODOR S Powder, Kgs	50
CEMENT PRODOR K Solution, Kgs	50, 250

STORAGE & SHELF LIFE

CEMENT PRODOR SK SPECIAL as supplied shall be stored in a cool and dry place away from sunlight, moisture and high

humidity and have a shelf life of 12 months in the original packing, at ambient temperature

HEALTH AND SAFETY

While handling powder it is advisable to wear mouth mask as a protection. Contact of solution with skin and eyes should be avoided. Any splashes of silicate solution should be cleaned with plenty of water immediately. If severe irritation is present, physician should be consulted

ADDITIONAL INFORMATION

CUMI PRODORITE also supplies other Acid, alkali and chemical resistant brick / tile lining, 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 Carborundum Universal 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.



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