

ROSCO-SKT

INTORODUCTION

ROSCO-SKT is sodium silicate base cement.

ROSCO-SKT is resistant to wide varieties of acid condition and shall withstand temperature up to 650 °C, prevailing chemicals plant industries

ROSCO-SKT sets hard and dense it is very easy to use & apply.

PREMATION

Mix 2.5 to 3.0 parts of powder (by weight) to one part of solution (by weight) to form the mortar. The mixing proportion may slightly vary due to temperature condition prevailing at the time mixing .

Mix only that such quantity , which can be used in about 15 – 20 minutes .When the mortar starts to set it should be discarded and should not be used .

CONSTRUCTION NOTES

- The places of brick work must be kept dry at all time until the mortar becomes hard and acid cured .
- The Brick / Tile must also be absolutely dry.
- Brick line should not be carried out at the temperatures below 10 ° C.
- The joint of bricks or tiles must not be more than 4 to 5 mm wide.
- Butter the Bricks / Tiles with excess mortar and slide them in place .then tap them firmly to have uniform spread and minimum joint. cut of excess mortar extruded from the joints .
- Allow bricks / tiles work to cure for two days . then treat all the joint with either 20% Hydrochloric acid & 30% Sulfuric acid before put into service.
- When lining on concrete surface the concrete should be first protected with impervious mastic membrane with over 1 or 2 coats of RCIPRIMER steel surface should be protected with either rubber lining or Teflon lining depending upon the chemicals being handled and temperatures of the solution . the membrane is then protected with acid proof brick / tiles lining. After acid curing done as above . The lined surface is ready to be placed in service.

Consult our technical department for definite recommendation.

Now :- Salt – Acid – Alkalies – Solvents – Corrosion – Temp.-Dirt:-(No Entry)

For, R.C. Corrocare Industries Pvt Ltd

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ROSCO-SKT

Uses

ROSCO-SKT is widely used for acid proof bricks / tile lining in chemical plant equipment like towers, tanks chimney stacks ,ducts etc. Because of its great resistant to acid concentration and high temperature .

RECOMMEDETION

Recommended for chemicals plant, dyes intermediate industries refinery , petrochemicals fertilizer battery manufactures etc. Where mineral acid (except hydrochloric fluoric) such as hydrochloric sulfuric (alone or in combination), Nitric phosphoric and Chromic acid are used or dealt with .

NOTE: ROSCO-SKT is recommended for alkaline and aqueous media .
SHELF LIFE : 1 year room temperature (under shade) from the Date of the mfg.

PHYSICALS DATA

Sodium base silicate types chemicals resistant mortars When tested meets IS.4832(part -1)

PROPERTY	REQ.AS PER IS 4832 PART-1	RCI. TEST RESULT
Working time min at 27 C °+/-2 C °	15	20
Compressive strength min.kg / m ² (at 7 days)	100	125
Flexural strength min.kg / m ² (at 15 days)	35	40
Bond strength min.kg / m ² (at 15 days)	5	5
Absorption of Toluene Max .present (by weight)	18	15

SERVICE

The **RC Corrocare Industries Pvt. Ltd.** Technical department is maintained to provide assistant and advice on my problem acid or alkali- proof construction. Write to us about your service condition obtain prompt recommendation and design suggestion. We will be more than glad to be assistance.

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