

ROSCO-SKT(P)

INTORODUCTION :

ROSCO-SKT(P) is a potassium silicate based cement.

ROSCO-SKT(P) cement is resistant against a wide variety of acid condition and cover almost the entire range of temperatures encountered in chemicals plant process condition.

ROSCO-SKT(P) cement withstand temperatures up to 800 ° C for higher temperatures our **REFERATE** cement is recommended .

ROSCO-SKT(P) sets hard and dense.

ROSCO-SKT(P) is easy to use and apply.

PREPARATION :

Mix 2.5 to 3part of POWDER (by weight) to one part solution (by weight) to from the mortar .

Mix only such that quantity which can be used in about twenty minutes .When the mortar start to set it must be discarded ,as it cannot be re- tempered and use . the point at which the mortar has stated to set and can no longer be used is determined by spreading the mortar on a brick surface with a trowel .When the mortar "rolls up" behind the trowel instead of adhering to the brick .The mortar must be discarded .

CONSTRUCTION NOTES :

- The place of brick work must be kept dry at all times until mortar is hard and cured.
- The brick must be dry .
- Acid –proof brick should not be laid at temperatures below 10° C.
- Keep the joints thin – up to 4 to 5 mm.
- Butter the brick with excess mortar and slide them in place , then firmly to produce thin joints . of cut of mortar that is extruded from joints.
- Allow brick work to cure for at least two days, than paint joints with 20% Hydrochloric or 30% sulphuric acid before placing in service.

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

For, R.C. Corrocare Industries Pvt Ltd

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ROSCO-SKT(P)

When lining the concrete tanks or equipments, the concrete should be first protected with a membrane of **ROSCO-COMPOUND** . Steel tanks should be protected with rubber or P.V.C., depending upon the acid being handled and temperature of the solution .The membrane is then protected with acid – proof brick lining, **CONSULTUS FOR DEFINTE RECOMMENDATION.**

After giving enough time for proper curing with acid, **ROSCO-SKT(P)** is ready to be placed in service.

USES

ROSCO-SKT(P) adapts to great range of acid concentrations & temperatures. Which is why it is widely used for laying acid- proof brick lining in Chemical plant equipments of all kinds including tanks, towers stacks , fume ducts etc

ROSCO-SKT(P) if subjected to acidic condition, can be used in furnaces and steel vessels.

RECOMMENDATIONS

ROSCO-SKT(P) is recommended for chemical plants, dye manufactures, metallurgical industries, explosive Manufactures, Textiles mills, storage Battery Manufactures ,Plastic industries ,Oil Refineries, fertilizer etc. Where mineral acid (except HF) such as Chromic, Nitric, Hydrochloric, Phosphoric, Sulphuric (alone or in combination)are used or dealt with.

Mixing Ratio:

Mix 2 ½ to 3 parts (by weight) of powder to one part of the solution to form the suitable mortar .

NOTE: ROSCO-SKT(P) not recommended for alkaline and aqueous media .

SHELF LIFE : 1 Year at Room temperature (under shade) from the Date of mfg.

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ROSCO-SKT(P)

Physicals properties of potassium silicate based type chemicals resistant mortar when tested exceeds **I.S. 4832** test requirements.

Property	Requirement as per IS- 4832 part -1	Arco Test result
Working time min. at 27 °C ± 2 °C (mins.)	20	25
Flexural strength min. kg/cm ² (at 7 days)	40	45
Compressive strength min. kg/cm ² (at 7 days)	150	165
Bond strength min. kg/cm ² (at 15 days)	5	5
Absorption of Toluene max .percent (by weight)	18	15

SERVICES

The RC Corrocare Industries Pvt. Ltd. technical department is maintained provide assistance and advice on any problem of acid or alkali- proof construction .Write to us about your service condition to obtain prompt recommendations and design suggestions . We will be more than glad to of assistance.

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