

Description:

Sterling® Prime-O-Pack is a prepackaged factory quality controlled dry powdered pump primer and pumping aid, supplied for ready-to-use, pre-weighed pouches. It is a unique compound of high performance components, which offers superlative cost reductions by saving time and protecting pumps and pipes. Additionally, Sterling® Prime-O-Pack functions as a concrete pumping aid by reducing line pressure, which enables the placement of hard to pump mixes and increasing the range of pumpability. Sterling® Prime-O-Pack is also environmentally safe and compatible with all conventional concrete materials.

Usage:

Sterling® Prime-O-Pack is used as a most effective priming compound and as a pumping aid for concrete pump. It is used very effectively when concrete is pumped through long distance pipelines from the batching plant to the pouring point. The phenomenon of friction when the concrete passes through long pipelines get reduced and the lubrication effect of the compound makes concrete pass smoothly without any choking of the pump and pipeline. In the construction of Bridge Piers, Decks, Dams, Tunnel, Shafts, Well-foundation, etc., where there is huge volume of concreting involved, use of this unique compound eases out choking problems of concrete pumps.

Features & Benefits:

- Increases pump capacity - reduces pressure in concrete pumps and pipes.
- Clean and easy preparation of the primer.
- In 15 minutes the equivalent primer is ready, as opposed to lugging sacks of sand and cement.
- Ready-to-use in pre-weighted pouches of 125 gm., which corresponds to the equivalent contents of 100-150 kg of cement.
- Eliminate the need for carrying bagged cement.
- Reduces friction and line pressure
- The risk of "stop" and "block" is reduced to virtually nil
- Economical, time saver and easy to mix thus cuts operational costs.
- Slurry can be directly added to the prime ports of pumps or can be placed directly in hoppers.
- Eliminates pilferage cost of cement handling by operators

Shelf Life:

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +10°C to 30°C.

Packaging:

Sterling® Prime-O-Pack is supplied in 125 gram X 50 pouch box packing.

Technical Properties:

Appearance	White Granular powder
Bulk Density	0.65 + 0.1 g/cm ³
Chloride Content	Nil – As per B.S – 5075 (Part – 1)
Sulphate Content	< 0.1 %

Application Instructions:

In actual working conditions, 80 litre. Slurry formed with one pouch of 125 gms. Sterling® Prime-O-Pack will be sufficient for 60-65 meter long pipe line of 125 mm. Diameter. However the dosage may vary according to the site conditions (consumption may increase if the pipe line has more bends, unions or vertical transport sections).

Mixing:

1 Pouch of 125 gm. Sterling® Prime-O-Pack gives 75-80 lit. Pipe line lubricating slurry. Add 75-80 lit. Of clean tap water in the hopper. Add 1 pouch of 125 gm. Sterling® Prime-O-Pack to the water and mix for 1 minute. A sticky gel like texture will develop. Allow it to stand for 10-15 minutes. Now remix Sterling® Prime-O-Pack slurry which is ready to be charged in the system ahead of the concrete. If for any reason you are not ready to pump concrete, there is no need to worry. Sterling® Prime-O-Pack slurry can be used even hours after it has been prepared.

Dosage:

When used for priming of pump, a 125 gm. Pouch pack of Sterling® Prime-O-Pack is to be added to 75-80 Ltr of water, producing slurry of desired consistency for priming 60-65 meter length of pipeline. When used as a pumping aid for stiff mixes, a 125gm. Pouch pack of Sterling® Prime-O-Pack is to be added to 1-5 cubic meter of concrete. It is always recommended for doing prior testing of the same before adding to concrete to get desired result in terms of workability and strength

Limitations:

As a general rule, when using any pump priming materials, the first portion of concrete that is discharged from the hose will typically have a higher mix water content than the remaining concrete, which can be detrimental to surface critical pours like precast columns or panels. This initial concrete discharge should therefore be discarded or used in only non-critical applications. For priming horizontal runs, Sterling® Prime-O-Pack will tend to coat primarily only the lower section of the line, so STIPL recommends the use of a rubber priming ball to allow even and complete coverage of the entire line. For priming long runs of pipe or hose, Sterling® Prime-O-Pack should be diluted with an extra volume of water to make it thinner and to avoid possible plugging.

Health & Safety Instructions:

Sterling® Prime-O-Pack is non-toxic but ingestion is to avoid. If contact with eyes occurs, wash well immediately with water and seek medical advice. Protect your health while working with this material, always use safety goggles, gloves and safety clothing. When handling hazardous materials or pressurized materials, or during any application that may result in spills, splashes or airborne particles, a full face shield is strongly recommended. Protect yourself and others on the jobsite.

Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals. Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area

*Further protection: emergency showers and eyewash stations. Get immediate medical attention as needed.

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Additional Information: Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

*Separate datasheet are available on these products.

Disclaimer: The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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