

## LUBRICATOR FOR CONCRETE PUMP HOSES AND LINES

### Description

NIROPUMP PRIMO is inorganic components based specially formulated product for the lubrication of pumps, hoses and lines prior to concrete works.

### Uses

NIROPUMP PRIMO solution creates a thin lubrication film that reduces friction and prevents blockages. It is a cost-effective replacement of other methods of lubrication such as cement slurry. The use of existing cement or mortar as a lubricant inducing such strength reduction and environmental waste disposal problem. This product has innovatively improved these issues with the addition of performance lubrication components to exert an effective coating performance of a small amount in the boom pump piping.

### Advantages

- Reduces friction
- Reduces risk of blockages
- Prolongs lifetime of hoses and pipes
- Environmentally friendly product
- No premixing required
- Easy to use

### Characteristics

- Form : Powder
- Colour : White
- Chemical base : Inorganic salts
- Bulk Density (at 25°C) : 700 - 800 g/l
- pH value (1 % solution) : 8.0 + 1

### Directions for use

Add 50 to 60 liters of water into the hopper per pouch of NIROPUMP PRIMO. The number of pouches required depends on the size of the pump and the length of the hose and pipelines. However, as a guideline one pouch may be used for every 30 meters pipe length.

NIROPUMP PRIMO is easily mixed in water by reverse pumping two strokes, which should be performed before adding the concrete. Then the concrete can be added to the hopper and pumping can begin.

### Packaging

NIROPUMP PRIMO is available in 200 grams pack and bulk packing.

### Fire

NIROPUMP PRIMO is non-flammable.

### Limitations

- NIROPUMP PRIMO solution should not pass through the pipeline till it reaches at desired viscosity.
- No concrete should be added to the NIROPUMP PRIMO solution without prior reverse and forward pumping as described in the above procedure.
- NIROPUMP PRIMO solution should not come into contact with any of the desired fair faced concrete surfaces during the pump start process.

### Technical support

NIRMAN CHEMICALS provides technical advisory services for on-site assistance and guidance on mix design, optimum dosage evaluation of trials.

### Storage and Shelf life

NIROPUMP PRIMO must be stored where temperatures do not drop below +5°C. Store under cover, out of direct sunlight and protect from extremes of temperature.

Shelf life is 24 months when stored as above. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult our local NIRMAN CHEMICALS LIMITED representative.

## Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet. MSDS available on demand or on NIRMAN CHEMICALS LIMITED web site.

## Note

All Technical Data Sheets of NIRMAN CHEMICALS are updated on regular basis; it is the user's responsibility, to obtain the most recent issue. Field services where provided, does not constitute supervisory responsibility, for additional information contact our local representative.

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