SIDDHI VINAYAK
CONSTRUCTION CHEMICAL PVT. LTD.

TECHNICAL DATA SHEET

De-Moulding Agent™

MOULD CONDITIONER AGENT

DESCRIPTION

De-moulding agent is a concrete realizing agent it is a water base component of low viscosity which is free from suspended matter or sediments.Release agents are needed during concrete production to prevent concrete from sticking to the formwork and to ensure easy removal of formwork without surface damage. It also enhances the appearance of precast by minimizing the inconsistencies, such as blow/bug holes on the surface.It forms a smooth, sliding film at the interface of concrete and mould and ensures quick, clean release of hardened concrete. It produces a uniform film with smooth finish and does not stain the concrete surface when demoulded.

DOSAGE AND USAGE

The moulds should be dry and clean. Any residues of rust and concrete must be removed. De-moulding agent mould conditioner agentis applied in thin layers, covering the complete surface (a second application may be necessary in case of highly absorbent formwork). Application by a brush, roller or cloth is also possible. Any excess should be wiped off using a cloth or sponge. Depending on the porosity and texture of the mould surface, typical coverage rates of 50 to 60 m2 per liter (0.040 to 0.050 liters per m2) will be obtainable Any.

HOW TO USE

As indicated earlier; the misuse of de-moulding agent leads to various problems on the concrete surface. To prevent this, the correct use of the release agent is essential. We give you the following general tips to help you with the correct appliance of the de-moulding agent to the mould.

Tip 1 - Cleaning the mouldBefore you start with the appliance of the de-moulding agent, clean the mould to prevent unevenness during the release process.

Tip 2 - Spray the de-moulding agent correctlyMaintain a fixed spray pattern, brush, roller or sponge when applying the de-moulding agent on the mould. For optimal application, maintain a constant distance from the surface of the mould

Tip 3 - Avoid overuse

If too much release agent is applied to the mould, you increase the chance of irregularities such as concrete stains and air bubbles. With excessive application de-moulding agent increase the cost of material production, With Eco ratio's de-moulding agent you can clearly see how much has been applied, preventing excessive use.

Tip 4 - Use an automated spray systemto achieve the best concrete quality and save on costs we advise to use an automated spray system. With a spray system you avoid excessive de-moulding agent on the mould surface. Besides, it speeds up the production and results in healthier and safer working conditions.

We are able to provide you more specific tips in a personal consult or demonstration!

ADVANTAGES

- It has self mould cleaning property.
- Contains very low viscosity and is therefore considered environment friendly
- Costs less and very economical for use.
- Nontoxic, Non-hazardous and doesn't pose health risk to workers.
- Can be used for any type of concrete moulds.
- Gives non-staining resistance to concrete.
- Minimizes efforts of cleaning moulds before reusing it.

- Reduces the chances of imperfections on the surfaces of concrete.
- Water based release agent is generally non-flammable.
- Water based release agent is odorless during spraying.
- Cheaper and stable price due to free availability of water.

PACKAGING

- HDPE CANE
- HDPE JAR
- HDPE BARREL

SELF LIFE

12 months from date of production if stored properly in undamaged unopened and original sealed packaging.

STANDARDS

- IS 9103:1999
- ASTM C 494

HANDLING AND STORAGE

Handling: Wear personal protective equipment Use only in well-ventilated areas. Provide sufficient air exchange and/or exhaust in work rooms. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not ingest. When using, do not eat, smoke, or drink. Keep away from incompatible materials. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquids).

Storage: Store in a cool, dry, ventilated area away from incompatible materials. Store in original container. Keep containers tightly closed andupright. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

LIMITATIONS

De-moulding agent shall not be added to dry cement or the concrete. It shall be applied to the mould only in consultation with SVCC technical department. Over application should be avoided. Excessive application on flat surfaces or which leads to pooling of release agent in the corners of forms is uneconomic and can lead to.

PROPERTIES

- Chemical Name: ~Polymer base
- Appearance: ~clear colorless to slightly greenish viscous liquid.
- Solubility: ~ Water soluble
- Density: ~1.05KG/L at 25°C
- Solid Content [% Weight]: ~30.54±1.0
- pH{value(23°C) }: ~>7.0
- Viscosity at 28°C (cps)~ 160
- Specific gravity~ 1.05±0.02@ 27°C
- Chloride Content: ~ Below 200ppm.

SAFETY PRECAUTIONS

SAFETY: Wear personal protective equipment (PPE) such as safety glasses with side shields or chemical, goggles, full body suit, vapor respirator, safety shoes and gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not

be sufficient. Consult a specialist before handling this product. Always refer to the SDS for detailed information on safety.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get immediate medical attention.

SKIN CONTACT: Wash the skin with plenty of water for at least 15 minutes. Cold water may be used. Remove contaminated clothing and shoes; wash them before reuse. Apply an emollient to irritated skin. Get immediate medical attention.

INGESTION: If swallowed, do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get immediate medical attention.

INHALATION: If inhaled, shift the person to fresh air. If the person is not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.