

TECHNICAL DATA GUIDE- MOULD RELEASE AGENT

D-SHUTTER OB

In house formulated with imported oil emulsified material combined with Petroleum and chemically active and physical barrier type concrete form release agent.

DESCRIPTION

D-SHUTTER OB is both a chemically active and a physical barrier type oil-based form release agent reacts with the alkalis in concrete to form a slippery soap that prevents buildup on form surfaces. Performs extremely well in most precast applications, In-Situ including steam-cured with early strip schedules.

TYPICAL APPLICATIONS

- Use on Steel, Plastic, fibreglass and HDO, PSF and CBF
- Provides exceptional finish on Plywood & Metal Surfaces steam cured precast applications and In-situ shuttering applications.
- Ideal for use in problematic concrete mix which suits with design consists of cement, flyash, silica fume or other high range water reducing admixtures
- Perfect product for Precast concrete & Mivan Shuttering
- Pumped concrete of 3hr placements on transit with TM
- Good finish on OPC/double mixes with M-sand/CRF/ both combinations with finer passing material of 150 micron

FEATURES AND BENEFITS

- Greatly minimizes concrete surface voids (blowholes).
- Provides a crisp, positive release.
- Enables user to easily achieve uniformly white architectural surfaces.
- Minimizes form cleaning and maintenance costs.
- Forms become self-cleaning with continued use.
- Low viscosity allows application at very high coverage rates, reducing costs.
- Non-staining.
- Contains a rust inhibitor that minimizes development of rust on steel forms.

PERFORMANCE TEST DATA / SPECIFICATION CLAUSE

Aspect	Oil derivative
pH	≥7-9
Chloride ioncontent	<0.0%
Biodegradability	Biodegradable oil-NON-flammable

MECHANISM OF ACTION

D-SHUTTER OB works as a dispersant by preventing the flocculation of fine particles of cement and mould surface. These dispersants are basically surface-active chemicals consisting of molecules, and oil derivatives with imported products and inhouse formulation imparted with water repellent and chemical property having hydrophilic group attached to a hydrophobic organic chain. The polar group in the chain gets adsorbed on the surface of the mould irrespective across vertical and horizontal surface and forms a clean dry surface which will active on contact with concrete.





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DOSAGE AND DIRECTIONS FOR USE

- DO NOT USE ON LIGHT DENSITY OVERLAID PLYWOOD OR GYPSUM BOARDS SURFACES or Absorbent wood surfaces.
- Form surfaces should be reasonably dry and clean prior to application.
- For Architectural or exposed concrete surfaces, remove all concrete buildup, rust, mill scale and existing form oil residue before application.

DILUTION & APPLICATION METHOD

- Do not over apply. Excess material, runs and puddles can adversely affect performance and should be picked up promptly with rags or micro fiber mop.
- Prevent material overspray from contacting reinforcing steel and/or prestressed cables.

Please consult Technical Department of CBS Chemicals for recommendation before placing concrete overdosed with admixtures.

COMPATIBILITY

D-SHUTTER OB is compatible to be used in across all concrete – Precast , Mivan shuttering, Timber, Steel etc.,

WORKABILITY

D-SHUTTER OB formulated to offer active even in rain - workability loss is depending on degree of rain, ambient temperature.

It is advisable to Pour the concrete within 6-12 hours of applying Mould release agent

PACKING

D-SHUTTER OB is supplied in 5, 20 & 210 Ltr HDPE drums, alternatively 1000 Ltr totes /bulk deliveries can be arranged.

STORAGE / SHELF LIFE

D-SHUTTER OB should be stored in a shaded cool and dry place. Shelf life of **D-SHUTTER OB** is 12months from the date of manufacture if kept in unopened, undamaged, original sealed packaging and kept within the range of 10°C to 50°C. If the product is frozen, thaw at +5°C or above and remix with mild agitation

Failure to comply with recommended storage may deteriorate the product or packing.

HEALTH & SAFETY

D-SHUTTER OB is water based, non-flammable and non-hazardous. However it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting. For further information refer to the material safety data sheet.

DISCLAIMER

The information given is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification. Since the conditions of use are beyond our control we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale including those limiting warranties and remedies which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would violate or infringe statutory obligations or any rights belonging to a third party.

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