

MASTEROL WD 3

WATER DILUTABLE MOULD RELEASE AGENT FOR MOULDS AND FORMWORK

DESCRIPTION

MASTEROL WD 3 is a chemical mould release agent available in emulsified and concentrated form. The chemical reactive compound in MASTEROL WD 3 provides superior mould releasing properties for moulds & formworks. It is extremely useful where wooden formwork is used and situations in which stripping time exceeds 24hrs.

FEATURES / ADVANTAGES

- Water dilutable: - one part of MASTEROL WD 3 can be diluted with 5 to 6 parts by volume of clean potable water.
- No oil stains on concrete surface & mimeses staining & provides high quality fair-faced concrete.
- It comes in concentrated form and dilution with water is done on site.
- Higher coverage and lower cost.
- All tools can be cleaned with water.

TYPICAL APPLICATION

- On metal or wooden surface.
- Effectively for resin coated wooden surfaces.
- For new moulds.
- The new timber has to be resin coated followed by MASTEROL WD 3.

TYPICAL CHARACTERISTICS

SR NO.	PROPERTIES	
1	Nature	Single component, liquid
2	Color	pale yellow to brown
3	Recommended Dilution	A.) for unsealed timber or plywood, mix 1 part of MASTEROL WD 3 by Volume with 5 Parts of clean potable water B.) For steel or resin coated wood mix 1 part of MASTEROL WD 3 by Volume with 6 Parts of clean potable water
4	Specific Gravity	0.830 ± 0.05 gm/cc
5	Working temperature range	1°C to 70°C
6	Harmful contents	No harmful content, Chloride free hence does not affect steel

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DIRECTIONS FOR USE

DILUTION WITH WATER:

All moulds must be cleaned of surface deposits of rust, concrete, oil or other materials; this is best affected by using strong industrial detergent together with stiff brushing followed by thorough rinsing with clean water. The use of chemical degreaser (Masterklean DGA) may be used if required for cleaning of moulds. MASTEROL WD 3 should be applied after dilution with water. One part of MASTEROL WD 3 supplied should be diluted with 5 to 6 parts by volume of potable water in suitable clean plastic container. On dilution with water, the MASTEROL WD 3 color will be changed in milky white. It has to be stirred thoroughly until homogeneous color is obtained. The obtained white solution has to be used on the same day. For any reason the white solution is not used on the same day, then it can be stored properly with providing lid and should be used within 5 days by stirring it thoroughly until homogeneous white color emulsion obtained. The white solution should not be mixed with the original container of undiluted MASTEROL WD 3.

METHOD FOR APPLICATION:

The diluted MASTEROL WD 3 should be applied on moulds after cleaning them. It can be applied by brush, sponge, conventional spray, or by cotton waste. A thin film should be applied. Excessive application should be avoided. A fine mist sprayer can be used for best results. In case a cloth is used for application, it is better to soak and squeeze out the excess mould release agent before applying on the moulds in order to get a thin film.

A thin water repellent skin is formed when MASTEROL WD 3 reacts with the alkali in concrete. This helps easy stripping from the concrete.

OTHER IMPORTANT INSTRUCTIONS

1. MASTEROL WD 3 performs better where demoulding is required after 24 hrs in case where shorter demoulding times are required use our mould releasing agent MASTEROL MRA.
2. It is very important that the MASTEROL WD 3 coating is thoroughly dry before placing concrete. Allow longer drying time in high humid situations.
3. It is very essential to protect freshly coated formwork from rain and frost. In heavy rain the emulsion will be washed away. Hence recoat the surface once again after rain before placing concrete.
4. Demoulding can be carried out in a normal way.
5. Before every re-use the cleaned form-worked surfaces must be recoated with MASTEROL WD 3.

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COVERAGE

	For unsealed timber or plywood	For steel or resin coated wood
MASTEROL WD 3	1 Litre	1 Litre
Water	5 Litre	6 Litre
Total Solution	6 Litre	7 Litre
Coverage	6 litre Obtained will cover 90 – 110 m ² Depending upon the nature of surface	7 liter Obtained will cover 130 – 170m ² Depending upon the nature of surface

CLEANING OF TOOLS AND EQUIPMENTS

Tools and equipment's should be washed with water or solvent. E.g. Turpentine, Xylene, Toluene etc.

STORAGE AND SHELF LIFE

Store the material at cool and dry place (25°C temp). Shelf life is 1 year from the date of manufacturing when stored in the original unopened containers. Keep away from the sources of heat.

PACKING

20 liter & 200 liter containers as per requirements

PRECAUTIONS

When it falls on the skin, it should be washed well with soap and water & take medical advice. It is advisable to wear goggles while handling. Inhalations should be avoided; if product is swallowed do not induced vomiting, obtain medical attention immediately.

DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential non performance.