

MasterFinish[®] RL 212

High quality water based surface consolidation and form release agent

DESCRIPTION

MasterFinish RL 212 is a ready-to-use, water based, non-toxic surface consolidation agent with excellent form release properties. It has been specially formulated to reduce or eliminate surface imperfections in precast, prestressed and poured-in-place concrete, and to give easy and complete release of concrete when applied to most types of forms or form liners.

RECOMMENDED USES

- Low slump concrete
- Flowable concrete
- High temperature concrete
- Concrete with extended working times
- Lightweight and prestressed concrete
- Imparting workability to lean harsh mixes
- Reducing bleeding caused by grading deficiencies in the concrete materials

FEATURES AND BENEFITS

- Unique product to improve concrete off-form finish and ensure optimum release of formwork
- Improved concrete surface by reducing or eliminating surface voids and defects
- Minimises repair costs associated with patching or polishing to remove surface defects
- Improved surface quality often leads to better prices for finished product
- Non-staining, suitable even for concrete containing off-white cement
- Promotes easy and efficient stripping of forms
- Reduces the need for and cost of frequently cleaning forms by reducing the concrete residue.
- Easy and inexpensive to apply by spray
- Milky appearance means increased coverage by reducing overlapping applications
- Better and safer working environment
- Non-toxic, being made from "skin friendly" ester oils
- Biodegradable
- Suitable for use indoors or outdoors
- Provides a water repellent, rainproof, rust-inhibiting film to the formwork

APPLICATION

MasterFinish RL 212 is a ready-to-use product that can be applied by a sprayer on any type of forms except rubber lined forms. For application of **MasterFinish RL 212** on these types of forms, please contact our local representative.

When spraying with a central inlet pipe system, care must be taken that these are completely cleaned to remove the traditional mould releasers used previously, by flushing the pipes with clean hot water.

When spraying with a portable hand gun, a suitable sized flat fan and appropriate tip strainer has been found to give the best results. The spray gun should not be left unused for several days as this may lead to nozzle blockage. To avoid the blockage, the nozzle can be immersed in a bucket of water at the end of the day.

Spraying should be done at a suitable distance from the mould (40-50cm) so that the release agent is evenly distributed in a uniform film thickness. When spraying complex and small moulds with a tendency to splattering, it is useful to rub the surface with cloth after application.

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The spray applied emulsion is whitish, and it is relatively easy to observe the dosage and coverage.

The whitish colour will gradually disappear, giving way to a water repellent film on the mould. This process will take from 5 to 20 minutes depending on the ambient temperature, relative humidity and the quantity applied. Whatever method of application is adopted, best results are obtained when **MasterFinish RL 212** is applied in as thin a layer as possible.

MasterFinish RL 212 is an emulsion. To obtain full releasing effect it is essential that the product has not separated.

MasterFinish RL 212 should have a milky white appearance and it must be homogeneous.

MasterFinish RL 212 must not be mixed with other products.

MasterFinish RL 212 can be used with all types of concrete and metal forms.

MasterFinish RL 212 may not be used as a bond breaker for tilt up construction.

COVERAGE

When applied by spray, the recommended application method, at a constant 6 bars pressure on metallic or impervious material, the coverage rate is 50 to 75m²/litre.

MasterFinish RL 212 is supplied ready-to-use and as such should not be mixed with other products.

In fly ash mixes, the amount of **MasterAir** needed can be more than double that required in cement only mixes.

PACKAGING

MasterFinish RL 212 is available in 20L pails, 200L drums and 1000L IBCs.

STORAGE / SHELF LIFE

MasterFinish RL 212 should be stored in a covered area and at a temperature between 4°C and 40°C. If these temperatures are exceeded the product may be used if it is returned to temperatures within these limits and remixed thoroughly.

The shelf life of the product, sealed in its original packaging and stored as recommended is 12 months.

PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Safety Data Sheet (SDS) from our office or our website.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

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