

MasterFinish[®] RL 211

High quality, water-based form-release agent

Description

MasterFinish RL 211 form release agent offers a safe, cost-effective alternative to traditional oil-based release agents. This unique product, when applied to most forms and form liners, is formulated to enhance the appearance of precast, prestressed and cast-in-place concrete. MasterFinish RL 211 form release agent significantly reduces production cost through its efficiency, ease of use and its superb release capability.

Applications

Recommended for use in:

- Cast-in-place concrete
- Precast concrete

Substrate

- Steel forms
- Fiberglass forms
- Concrete forms
- Wood forms

Features

- Ready-to-use
- Extremely efficient release mechanism
- Assists in controlling surface appearance
- Non-staining
- Unaffected by light rain or other mild weather conditions
- Spray-applied
- Water based
- Significantly reduces form cleaning

Benefits

- Permits match casting of intricate details
- Minimizes surface voids (bug holes)
- Acceptable for use with white cement
- Flexible application timing
- Reduces overall production costs
- No mixing required
- No solvent, no odor; no fume or flammability problems
- Environmentally preferable and biodegradable
- Extends form life

Guidelines for Use

Yield: Up to 4,000 ft²/gal (100 m²/L). Coverage rates dependent on form or form liner's texture and absorption rate. For smooth, non-absorptive surfaces: 2,500 ft²/gal (60 m²/L) or higher for best results.

Surface Preparation:

1. Forms must be smooth, clean and dry before applying form release agent.
2. MasterFinish RL 211 form release agent is specifically developed to work at the form surface and cement paste interface. The performance of this product will be significantly hindered by oil contaminants and cement paste build-up. Forms having residue such as this can be wire brushed and wiped with solvent and, then, a dry rag.
3. Once thoroughly cleaned, forms will be maintained in this condition through the use of MasterFinish RL 211 form release agent and will also produce more visually appealing products as a result. MasterFinish RL 211 form release agent is compatible with most forms and form liners with the exception of those made of styrene or latex.

Application:

1. When spraying MasterFinish RL 211 form release agent, hold the spray tip at a distance of 2 – 3 feet (60 – 90 cm) from the form surface being treated to achieve proper coverage.
2. It is important that the appearance of the form during application should only be "speckled" as opposed to "wetted." The "white specks" will then flow together to form a very light, uniform film. This process will take between 3 and 10 minutes, depending on ambient and form temperatures and relative humidity. This results in a clear, water-repellent film which is not easily removed by rainfall or concrete placement.
3. MasterFinish RL 211 form release agent may also be wiped, mopped, rolled or brush applied. However, the potential for over-application is greater when using these methods. Over-application can result in surface dusting or surface tearing.

Spray Equipment: MasterFinish RL 211 form release agent should be applied to forms and form liners with spray equipment of the type recommended by Master Builders Solutions. A spray device with an air pressure capacity of approximately 80 psi has been found to produce the best results. A spray tip with an orifice of 0.021 in. (0.53 mm) delivering an oval spray pattern is recommended for smaller, intricate formwork. For large forms (wall panels, structural units, etc.) a spray tip with an orifice size of 0.036 in. (0.91 mm) delivering a tall, narrow fan spray pattern is recommended. For information regarding sprayer sources, contact your local sales representative.

Cleaning: Clean spray equipment, brushes, and rollers with soap and water before they dry.

For Best Performance

- MasterFinish RL 211 form release agent is compatible with most forms and form liners with the exception of those made of styrene or latex.
- Make certain the most current versions of product data sheet and Safety Data Sheet are being used; call your local sales representative to verify the most current versions.

Storage and Handling

Storage Temperature: Store in unopened container in a cool, clean, dry area between 30 and 85 °F (0 and 30 °C). Keep containers tightly sealed after opening to maintain shelf life freshness. Protect from freezing. Do not store in direct sunlight.

Shelf Life: 1 year when properly stored.

Packaging

3 gal (11.4 L) pails
55 gal (208 L) drums
264 gal (1000 L) totes

VOC Content

0 g/L or 0 lb/gal less water and exempt solvents.

Related Documents

Safety Data Sheets: MasterFinish RL 211 form release agent

Additional Information

For suggested specification information or for additional product data on MasterFinish RL 211 form release agent, contact your local sales representative.

Master Builders Solutions creates technologies for the construction industry inspiring people to build better. We are active in ~40 countries and operate 35 production sites with over 1,600 employees. We develop, produce, and market high-quality chemical admixtures, as well as adjacent core technologies, to master the challenges of today and support a decarbonized future. Our people are pivotal and pair leading technologies and a strong brand heritage to surpass our customers' expectations and drive continuous value creation.

Limited Warranty Notice

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