

MasterFinish[®] RL 100

Non-staining form-release agent

Description

MasterFinish RL 100 is a petroleum-based, VOC-compliant, non-staining liquid form-release agent.

Applications

Recommended for use in:

- Prestressed, precast, and pipe plants

Substrate

- Wood
- Rough-sawn lumber
- Steel
- Fiberglass
- Paper
- Masonite
- Aluminum
- Patented forming pans (dome, long flange, steel, fiberglass, paper)

Features

- Water-resistant chemical barrier
- No residue transfer
- Compatible with conventional mixture proportions
- Alkali-resistant
- Safe for wood fibers
- Reduced rust on steel forms and equipment
- Ready-to-use

Benefits

- Can be applied up to 5 weeks before concrete is placed
- Ensures fast, clean stripping of forms
- Leaves concrete stain-free with fewer and smaller air voids
- Does not harm concrete
- Protects aluminum forms from concrete and plaster
- Extends service life of wood forms
- Compliant with US Federal EPA VOC regulations for Concrete Form-Release Agent
- Lengthens equipment life
- No mixing required. Should be used directly from container
- Offers flexible application timing

Guidelines for Use

Application	Coverage ft ² /gal (m ² /L)
Porous forms	600 – 800 (14.6 – 19.4)
Nonporous forms	1,000 – 2,000 (24.3 – 48.6)
Paper forms and fiber tubes	600 (14.6)
Prestressed, precast, and pipe plants	1,200 (29.2)

Note: Pressure and tip size may vary coverage rates.

Placing the Concrete: Surfaces to be treated should be clean and free of water, dust, dirt, or residues that might transfer to the concrete surface.

Application:

PLANT USE

1. Apply lightly with low pressure spray, brush, or roller.
2. Apply uniformly in a thin but continuous film to ensure proper coverage.
3. For best results, coat forms with MasterFinish RL 100 form-release agent prior to the placement of concrete. Avoid excess application of MasterFinish RL 100 form-release agent.
4. Recoat after each use.

PRESTRESSED, PRECAST, AND PIPE PLANTS

1. Rapid drying of MasterFinish RL 100 form-release agent allows immediate placement of steel without danger of picking up coating on steel strands. Wipe up any excess MasterFinish RL 100 form-release agent on forms. Coat "O" rings completely before each placement.
2. Coat forms liberally before storing to keep rust free. To return forms to service, sweep down and recoat with MasterFinish RL 100 form-release agent.

Clean Up: Clean spray equipment, brushes, and rollers with soap and water before they dry or with solvent-based cleaner or degreaser.

For Best Performance

- Not intended as a bondbreaker for tilt-up construction.
- Not recommended for architectural precast concrete.
- Avoid over-application of MasterFinish RL 100 form-release agent, and prevent MasterFinish RL 100 form-release agent from puddling on forms.
- Should separation occur, thoroughly remix before using.
- Forms coated with MasterFinish RL 100 form-release agent should be dry to give the best concrete appearance; otherwise a slight dusting may result.
- If over-application of MasterFinish RL 100 form-release agent products results in excess residue on concrete, clean by powerwashing with detergent.
- When coatings or sealants are going to be used on concrete placed with MasterFinish RL 100 form-release agent-coated forms, conduct an adhesion test before application.
- 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 version.

Storage and Handling

Storage Temperature: Store in unopened containers in a cool, clean, dry area.

Shelf Life: 2 years when properly stored.

Packaging

- 5 gal (18.9 L) pails
- 55 gal (208 L) drums
- 275 gal (1041 L) totes

VOC Content

Less than 450 g/L or 3.7 lb/gal, less water and exempt solvents.

Related Documents

Safety Data Sheets: MasterFinish RL 100 form-release agent

Additional Information

For suggested specification information or for additional product data on MasterFinish RL 100 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.

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