



Cast-O-Magic® Release Agent 320 VOC Specification Sheet

1. PRODUCT NAME

Cast-O-Magic® 320 VOC Release Agent

2. MANUFACTURER

The Hill and Griffith Company
1085 Summer Street
Cincinnati, OH 45204
Toll-Free: 1-800-543-0425

3. PRODUCT DESCRIPTION

Basic Use: Cast-O-Magic® 320 VOC is a concrete release agent designed to permit easy removal of forms from hardened concrete. It also works well to prevent sticking of concrete on pallets, mixers, and other equipment.

Advantages: Cast-O-Magic® 320 VOC

- Assures positive form release.
- Minimizes surface voids.
- Eliminates damaging and expensive form cleaning.
- Will not stain or discolor white or colored concrete.
- Will not impair bonding of surface coatings such as paint, plasters, mortars, etc.
- Can be applied at any temperature.
- Meets VOC regulations.
- Is easy to use-low odor, non-irritating.
- Protects forms.
- Works on steel, aluminum, wood, fiberglass, and plastic forms.

Limitations: Cast-O-Magic® 320 VOC should not be used on latex rubber molds.

Composition: Cast-O-Magic® 320 VOC is a solution for releasing components dissolved in mineral oil. It meets EPA and California VOC regulations. It contains no chlorinated solvents and no carcinogens. It is non-flammable and non-irritating.

4. TECHNICAL DATA

Physical Properties are:

Specific Gravity..... 0.888
Flash Point..... 165°F
Boiling Point..... over 240°F
Freeze Temperature..... -15°F
Freeze Damage..... None
Wt./Gal..... 6.89 lbs
Viscosity(Centistokes)..... 5.06@ 40°C
Color..... Amber
Opacity..... Clear
Solubility in Water..... Insoluble
VOC Content..... 246 Grams/Liter
(2.05 lbs./Gal.)

5. APPLICATION

Surface Preparation: Form surfaces should be free of existing oil, rust, and concrete buildup prior to application. It can be applied minutes or days before casting.

Methods: Cast-O-Magic® 320 VOC should be applied in a thin film for a maximum performance and economy by spray, mop, roller, or brush. It should be applied before reinforcing steel is in place. Care should be taken to avoid over application. Excess material in the form of puddles should be wiped up. Over application can cause concrete build-up, soft spots, excessive surface voids and discoloration of concrete. Application at subfreezing temperatures promotes thicker film thicknesses which cause more surface voids. Dilution with solvents is not recommended. It is to be used as is. Dilution can cause concrete buildup and difficulty in stripping. This may also violate EPA and California VOC Regulations.

Coverages: On smooth, non-porous form surfaces such as steel, aluminum, plastic and high density plywood – 1500 sq. Ft./Gal. on semi-porous form surfaces such as medium density plywood and paper column forms – 1000 Sq. Ft./Gal. On very porous form surfaces such as low density plywood and concrete – 500 Sq. Ft./Gal. Coverages may vary due to person applying material and condition of forms.

Precautions: Keep out reach of children. Do not take internally. Do not use near fire or open flame. Use with adequate ventilation and avoid prolonged contact with skin.

6. AVAILABILITY AND COST

Availability: Cast-O-Magic® 320 VOC is available in 55, 5, and 1 gallon containers. It is also available in disposable or recyclable 275 gallon Magic-Pak.

Cost: Material costs can be obtained from: The Hill and Griffith Company, Inc.

7. LIMITED WARRANTY

The manufacturer warrants the product against defects in composition. If the manufacturer receives notice of such defects, the manufacturer may at his option either replace the product or refund the purchase price. The warranty set forth is exclusive and no other warranty, whether written or oral, is expressed or implied. The manufacturer specifically disclaims the warranties of suitability and fitness for a particular purpose. The final responsibility for the suitability and fitness for a particular purpose lie with the purchaser.

8. MAINTENANCE

Storage: Cast-O-Magic 320 VOC will keep indefinitely in sealed containers. Do not store near heat sources. Cover, or store drums on side to prevent water contamination.

9. TECHNICAL SERVICES

Technical information is available by contacting:

The Hill and Griffith Company
1085 Summer Street
Cincinnati, OH 45204
Phone: 1-800-543-0425
Fax: 513-244-4199
Email: sales@hillandgriffith.com
www.hillandgriffith.com