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Coatings for Concrete  
and Masonry

# MasterProtect<sup>®</sup> FL 749

## Acrylic copolymer block filler

FORMERLY THORO<sup>®</sup> BLOCK FILLER

### PACKAGING

5-gallon (18.9 L) pails

### YIELD

35-100 ft<sup>2</sup>/gal (0.86-2.45 m<sup>2</sup>/L)

Coverage will vary depending on surface texture and porosity.

### STORAGE

Store in unopened containers in a clean, dry area between 35 °F and 110 °F (2 °C and 43 °C). Keep from freezing.

### SHELF LIFE

18 months when properly stored

### VOC CONTENT

98 g/L, less water and exempt solvents.

### DESCRIPTION

MasterProtect FL 749 is a ready-to-use, acrylic copolymer-based block filler used to prime and fill porous masonry before the application of MasterProtect<sup>®</sup> high-build acrylic wall coatings.

### PRODUCT HIGHLIGHTS

- Heavy bodied to fill pores for excellent surface closure
- Breathable to allow moisture vapor to escape from the substrate
- Moisture resistant; will not degrade in the presence of wet-dry cycles
- Excellent workability for ease of application and lower labor cost
- Can be applied to damp substrates
- Easy to apply and can be sprayed with airless equipment
- VOC compliant for EPA and most regional jurisdictions

### APPLICATIONS

- Interior and exterior
- Vertical surfaces
- Above grade
- Substrates where absorbency is not uniform

### SUBSTRATES

- Porous or open masonry substrates
- Open-pored, textured concrete

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## HOW TO APPLY

### SURFACE PREPARATION

1. Surfaces should be clean, sound, and free of all bond-inhibiting contaminants.
2. Concrete substrates should be fully cured.
3. Point or seal all cracks and voids.

### MIXING

Prior to use, mix at slow speed with drill and mixing paddle to ensure uniform distribution of contents and to minimize air entrapment.

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## APPLICATION

1. MasterProtect® FL 749 can be brushed, rolled, or spray applied followed by back brushing or back rolling. Back brushing or backrolling is mandatory on porous, textured substrates such as fluted, splitfaced, and lightweight block.
2. MasterProtect FL 749 can be applied to a dry or slightly dampened (non-saturated) substrate.
3. Hot substrates may require dampening to cool the surface and prevent flash drying.

### ROLLER APPLICATION

1. Use 1-1/2" (38 mm) nap roller.
2. Keep roller fully loaded with material.
3. Work material uniformly onto the wall, always maintaining a wet edge.
4. Apply sufficient material to completely fill all pores, leveling the material to provide uniform texture and film thickness.
5. The objective is to obtain a pinhole-free, consistent film on all treated surfaces.

### SPRAY APPLICATION

1. MasterProtect FL 749 can be applied by heavyduty airless or air-assisted texture spray equipment. Contact equipment manufacturer for further recommendations.
2. Immediately backroll or back-brush spray applications to fill in the pores and finish the material in a uniform manner.

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## DRYING TIME

- Times assume 70 °F (21 °C) and 50% relative humidity.
- Dry-to-touch: 4-6 hours
- Recoat time: 12 hours minimum
- Lower surface or air temperatures and higher relative humidity will extend the drying time.
- If topcoating is delayed, ensure that MasterProtect FL 749 is clean and free of dust, other contaminants, and stains when work resumes.

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## CLEAN UP

Clean all tools and equipment immediately with warm soapy water. Cured material may be removed by mechanical means.

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## FOR BEST PERFORMANCE

- Not intended for use as a finish coat.
- Do not apply when temperature (substrate, or ambient) is 40 °F (4 °C) or below or is expected to fall below 40 °F (4 °C) within 24 hours after application.
- Do not apply if rain is expected within 24 hours.
- Do not thin.
- Avoid application to uncapped or unsealed walls subject to heavy rains.
- Do not apply over moving cracks, control joints, or expansion joints.
- For professional use only; not for sale to or use by the general public.
- Make certain the most current versions of product data sheet and SDS are being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by Master Builders Solutions personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

**Technical Data**

**Composition**

MasterProtect® FL 749 contains solvent, acrylic copolymer, fillers, and other proprietary ingredients.

**Test Data**

PROPERTY	RESULTS	TEST METHODS
<b>Density</b> , lbs/gal (kg/L)	14.5 (1.74)	ASTM D 1475
<b>Solids</b> , %		ASTM D 5201
By weight	74.4	
By volume	56	
<b>Viscosity</b> , KU	120 – 130	ASTM D 562 (Stormer)
<b>Water Vapor Permeance</b> , perms	27	ASTM E 96
<b>Flexibility</b> , 1" mandrel	No cracking	ASTM D 522
<b>Flash Point</b> , °F (°C) Noncombustible	200 (93)	Lab Value

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

#### HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting [www.master-builders-solutions.com/en-us](http://www.master-builders-solutions.com/en-us), e-mailing your request to [mbsbscst@mbcc-group.com](mailto:mbsbscst@mbcc-group.com) or calling 1(800)433-9517. Use only as directed.

**IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.**

#### LIMITED WARRANTY NOTICE

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