



The Chemical Company

A. R. Chambers Supply
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PRODUCT DATA

9 09 97 23 Coatings for Concrete
and Masonry

THORO® BLOCK FILLER

Acrylic copolymer block filler

Description

Thoro® Block Filler is a ready-to-use, VOC-compliant, 100% acrylic copolymer based blockfiller resin used to prime and fill porous masonry before the application of Thoro® coatings.

Yield

35 – 100 ft²/gal (0.86 – 2.45 m²/L)

Actual coverage may vary with the substrate's texture and porosity.

Packaging

5 gallon (19 L) pails

Color

White

Shelf Life

15 months when properly stored.

Storage

Store in unopened containers in a clean, dry area. Protect from freezing.

Features

- Heavy bodied
- Breathable
- Moisture resistant
- Excellent workability
- Moisture tolerant
- Easy to apply
- VOC compliant

Benefits

- Fills pores; excellent surface closure
- Allows substrate moisture vapor to escape from the structure; prevents peeling and blistering
- Will not degrade in the presence of wet-dry cycles
- Ease of application; lower labor cost
- Can be applied to damp substrates
- Can be sprayed with airless equipment
- Environmentally friendly

Where to Use

APPLICATION

- Substrates where absorbency is not uniform

LOCATION

- Vertical
- Interior or exterior
- Above grade

Substrate

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

How to Apply

Surface Preparation

1. Masonry surfaces must be clean, structurally sound, and fully cured.
2. Point or seal any cracks or voids over 1/16" (1.6 mm).
3. Verify that substrate has properly cured; allow mortared structures to cure approximately 10 – 14 days before coating.

Mixing

Before using, stir to a uniform consistency with a low-speed mechanical mixer.



Technical Data

Composition

Thoro® Block Filler contains water, acrylic copolymer emulsion, fillers, and other proprietary ingredients.

Test Data

PROPERTY	RESULTS	TEST METHODS
Density , lbs/gal (kg/L)	14.5 (1.74)	ASTM D 1475
Solids , %		ASTM D 5201
By weight	74.4	
By volume	56	
Viscosity , KU	120 – 130	ASTM D 562 (Stormer)
VOC content , lbs/gal (g/L)	0.93 (112)	ASTM D 3960
Water vapor permeance , perms	27	ASTM E 96
Flexibility , 1" mandrel	No cracking	ASTM D 522
Flash point , ° F (° C) Noncombustible	200 (93)	Lab Value

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

Application

1. Thoro® Block Filler 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, split-faced, and lightweight block.
2. Thoro® Block Filler can be applied to a dry or surface dampened (nonsaturated) substrate.
3. Hot substrates may require dampening to cool, preventing flash drying.
4. Avoid application on wet or saturated substrates.

ROLLER APPLICATION

1. Use 1-1/2" (38 mm) nap roller, depending on surface texture and approved test results.
2. Keep roller fully loaded with material.
3. Work the material uniformly onto the wall, 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. Thoro® Block Filler can be applied by appropriate heavy-duty, airless, and air-assisted texture spray equipment.
2. Immediately backroll or back-brush spray applications to fill in the pores and finish the material in a uniform manner.

Drying Time

1. Thoro® Block Filler can be topcoated after a minimum cure of 4 hours at 70° F (21° C) at 50% relative humidity. Lower surface or air temperatures and higher relative humidity will extend the drying time.
2. If topcoating is delayed, ensure that Block Filler is clean and free of dust, other contaminants, and stains when work resumes.

Clean Up

Clean all equipment immediately after use with warm soapy water.

For Best Performance

- Not intended for use as a finish coat.
- Do not apply when temperature, substrate, or ambient air is 40° F (4° C) or below or is expected to fall below 40° F (4° C) within 24 hours.
- Do not apply when rain is expected within 24 hours of application.
- Do not apply to frozen or frost-covered substrates.
- Avoid application to uncapped or unsealed walls subject to heavy rains within 3 – 5 days after application.
- Do not apply over moving cracks, control joints, or expansion joints.
- Do not use solvents or thinners to alter the material.
- Make certain the most current versions of product data sheet and MSDS 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 BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Health and Safety

THORO® BLOCK FILLER

Caution

Thoro® Block Filler contains crystalline quartz silica.

Risks

May cause skin, eye or respiratory irritation.
Ingestion may cause irritation.

Precautions

KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep container closed when not in use. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to Material Safety Data Sheet (MSDS) for further information.

Proposition 65

This product contains material listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

VOC Content

114 g/L or 0.95 lbs/gal, less water or exempt solvents.

**For medical emergencies only,
call ChemTrec (1-800-424-9300).**

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