



The Chemical Company

Distributed by: BEST MATERIALS LLC
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PRODUCT DATA

9 09 97 23 Coatings for Concrete and Masonry

SONOCOAT® ACCESSORIES

Acrylic block filler and patching compounds

Description

Block Filler 749 is a smooth, fiber-free 100% acrylic coating used to fill voids and provide a dense, uniform surface on concrete block before application of a finish coating.

Patching Compounds are 100% acrylic-emulsion repair materials for stucco, brick, and concrete.

Following application, Block Filler 749 and Patching Compounds must be overcoated with Colorflex™, Sealcoat™, Flexcoat™, Super Colorcoat™ VOC, or Silflex® wall coatings.

Block Filler 749: nonfibrated (smooth) version

Patching Compound 748: knife grade, smooth

Patching Compound 750: brush grade, smooth

Yield

BLOCK FILLER 749

35 – 100 ft²/gallon (0.86 - 2.45 m²/L). Application rate will vary with the texture and porosity of substrate.

PATCHING COMPOUND

Yield is variable, depending on job conditions.

Features

BLOCK FILLER 749

- Dense uniform surface
- Ready to apply

PATCHING COMPOUNDS

- Long-lasting flexibility
- 100% acrylic
- Brush- and knife-grade consistencies
- Fungus and mildew resistant
- Smooth and textured finishes

Benefits

Facilitates application of Sonocoat® coatings

Speeds jobsite production; saves labor

Provides durable crack-bridging

Offers superior adhesion to concrete, masonry, and other surfaces

Suitable for various project conditions

Suitable for damp, humid climates

Meets varied design applications

Packaging

BLOCK FILLER 749

5 gallon (18.93 L) pails

PATCHING COMPOUND

1 gallon (3.8 L) cans

5 gallon (18.93 L) pails

Color

White only, for Block Filler 749 and Patching Compounds

Shelf Life

18 months when properly stored.

Storage

Store in unopened containers in a cool, dry area away from direct sunlight. Elevated temperatures will shorten shelf life. Keep all materials from freezing in the container; do not store below 35° F (2° C).

Where to Use

SUBSTRATES

- Block
- Brick
- Concrete
- Stucco

How to Apply

BLOCK FILLER 749

Surface Preparation

1. Concrete and masonry surfaces must be clean, structurally sound, and fully cured.
2. Point or seal any cracks or voids over 1/16" (1.6 mm).



Technical Data

Composition

Block Filler 749 is a 100% acrylic binder.
Patching Compounds are 100% acrylic emulsions.

Typical Properties

PATCHING COMPOUND

PROPERTY	VALUE
Weight , lbs/gal (kg/L)	11.0 (1.32)
Solids , %	
By weight	70 – 75
By volume	50 – 54
Viscosity , cps	
Brush Grade	80,000 – 90,000
Knife Grade	120,000 – 140,000
Elongation , %	300
Fungus and mildew resistant	Yes

BLOCK FILLER 749

PROPERTY	VALUE
Solids , %	
By weight	75
By volume	56
Viscosity , KU	120 – 130
Water vapor transmission , grains/hr/ft ²	
Wet cup	11.01
Dry dry	2.23
Permeance , perms	
Wet cup	26.57
Dry cup	5.39
Average permeability , perm in, ASTM E 96 / D 1653	
Wet cup	3.0
Dry cup	0.62

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

Mixing

Block Filler 749 is ready to use. Stir before applying.

Application

- Block Filler 749 must be applied to properly fill all pores.
- Apply using brush, roller, or spray. For spray equipment recommendations, contact the equipment manufacturer.
- Backroll porous, split-face, or lightweight block to eliminate pinholes.
- Block Filler 749 will dry to touch within 1 – 2 hours.
It can be coated after 24 – 48 hours.

Clean Up

Clean equipment with water immediately after use.
Cured material may only be removed mechanically.

PATCHING COMPOUNDS

Surface Preparation

- All surfaces to be treated must be free of oils, dirt, dust, mildew, and chalk.
- Apply Chalky Surface Primer VOC to previously coated, dusty, or chalky surfaces before applying Patching Compound. See product data sheets for Colorflex™ and Chalky Surface Primer VOC.

Application

- For small cracks up to 1/16" (1.6 mm) in width, apply Patching Compound using a small, damp sponge with slight hand pressure to fill the crack.
- For larger cracks 1/16 – 1/4" (1.6 to 6 mm) in width, rout out the crack to 1/4 by 1/4" (6 by 6 mm). Fill with Patching Compound by knifing or gunning followed by floating to remove excess from edges. Allow to dry a minimum of 4 hours. Apply a second lift and allow to dry 24 hours prior to applying the appropriate Sonneborn® product.

3. Rout dynamic or moving cracks 1/4 by 1/4" (6 by 6 mm), then fill with the appropriate Sonneborn® sealant. Tool, allow to cure, and proceed with crack repair as described above.

4. Anywhere stucco has been replaced, treat the area where the new stucco meets the old as a small crack, using the above method.

5. Patching Compound dries to touch in 2 – 4 hours, depending on temperature and relative humidity. Allow Patching Compound to dry for 24 – 48 hours before overcoating.

Clean Up

Clean equipment with water immediately after use.

For Best Performance

- Keep from freezing.
- Do not apply when surface or ambient temperatures are less than 50° F (10° C) or are expected to fall below 50° F (10° C) for 12 hours following application.
- DO NOT THIN Block Filler 749.
- Block Filler 749 and Patching Compounds are not intended for long-term UV exposure.
- Block Filler 749 is designed for use with a topcoat only; it is not intended for use as a finish coat. See Colorflex™, Flexcoat™, Sealcoat™, Silflex®, Flextex™, and Super Colorcoat™ VOC product data sheets for complete application instructions.
- Do not use Patching Compound for crack repair on decks or other traffic-bearing surfaces.
- β 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 versions.
- 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

BLOCK FILLER 749

Caution

Block Filler 749 contains silica crystalline quartz.

Risks

May cause eye, skin or respiratory irritation. Ingestion may cause irritation. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Precautions

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

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Wash clothing before reuse. 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 materials listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

VOC Content

0.95 lbs/gal or 115 g/L, less water and exempt solvents.

PATCHING COMPOUNDS (ALL GRADES)

Caution

Patching Compounds (all grades) contain silica crystalline quartz and zinc oxide.

Risks

May cause eye, skin or respiratory irritation. Ingestion may cause irritation. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Precautions

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

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. 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 materials listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

VOC Content

0.45 lbs/gal or 54 g/L, less water and exempt solvents.

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

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