Benjamin Moore

COROTECH HIGH PERFORMANCE

WATERBORNE EPOXY BLOCK FILLER V163

Features

- Waterborne epoxy
- Excellent filling on all masonry and cinder block
- Outstanding water resistance
- Suitable for use in USDA inspected facilities
- Resists alkalis and acids
- Soap and water clean-up

General Description

Epoxy Block Filler is a high-solids epoxy block filler that can be cleaned up with soap and water. This product withstands repeated cleanings with high pressure water and can be top coated with most generic type coatings. **This is a two component product that requires 1 part of the proper "A" component mixed with 1 part of part "B" catalyst. The components are already premeasured to the proper mix ratio. No measuring required. Do not mix partial kits.**

Recommended For

Intended for use on coarse masonry, brick and concrete walls. It can be used in food processing plants, bottling plants, water & waste treatment plants, pulp & paper mills, fertilizer plants, dairies, power plants, auto wash facilities and sugar mills.

Limitations

- This product is not intended for immersion service.
- Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C)

Colors — Standard:

White (01)

— Tint Bases:

Do not tint.

— Special Colors:

Contact your retailer.

Certification & Qualifications:

The products supported by this data sheet contain a maximum of 250 grams per liter VOC / VOS (2.08 lbs. /gal.) excluding water & exempt solvents.

Suitable for Use in USDA Inspected Facilities

VOC REGION	COMPLIANT
FEDERAL	YES
OTC	YES
OTCII	YES
CARB	YES
CARB07	YES
UTAH	YES
AZMC	YES
SCAQMD	NO

Technical Assistance:

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com

Technical Data◊		White
Generic Type		Waterborne Epoxy
Pigment Type		Titanium Dioxide
Volume Solids (mixed as recommended)		46 ± 1.0%
Coverage per Gallon at Recommended Film Thickness		60 – 90 Sq. Ft.
Recommended Film Thickness	– Wet – Dry	17.8 – 26.7 mils 8.1 – 12.3 mils
Depending on surface texture and porosity.		
Dry Time @ 77 °F (25 °C)	– To Touch – To Recoat – To Cure	2 Hours 16 – 72 Hours 3 – 5 Days
*If top coat is not applied within 72 hours abrade the surface to ensure proper inter-coat adhesion. Maximum abrasion and chemical resistance are achieved at full cure; care should be taken to prevent damage to the coating during the curing process. High humidity and cool temperatures will result in longer dry, recoat and cure times.		
Dries By		Chemical Cure
Dry Heat Resistance		260° F
Viscosity @ 77°F (mixed as recommended)		Consistency of Mastic
Flash Point		Mixed: 200 º F or greater (TT-P-141, Method 4293)
Gloss/Sheen		Max 10 @ 60°
Surface Temperature at application	– Min. – Max.	50 °F 100 °F
Surface must be dry and at least 5° above the dew point		
Thin With		Water
Clean Up Thinner		Warm, Soapy Water
Mixed Ratio (by volume)		1 : 1
Induction time @ 70 °F (21 °C)		30 Minutes
Pot Life @ 70 °F (21 °C)		6 – 8 Hours
Weight Per Gallon (mixed as recommended)		11.7 lbs.
Storage Temperature	– Min. – Max.	45 °F 95 °F

Volatile Organic Compounds (VOC)
106 Grams / Liter* 0.88 LBS / Gallon*
* Catalyzed

◊ Reported values are for White. Contact retailer for values of other bases or colors.

Surface Preparation

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, mill scale, form release agents, curing compounds, loose and flaking paint and other surface contaminants.

NEW SURFACES: Concrete and Masonry - All masonry surfaces must be allowed to cure a minimum of 30 days before painting. Acid etch or abrasive blast all slick, glazed concrete or concrete with laitance. For acid etching, follow all manufacturer's directions and safety instructions. Rinse thoroughly and allow to dry.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead .

Application

Mixing Instructions:

This is a two component kit and is pre-proportioned for error free mixing DO NOT vary from these instructions. Mix "A" & "B" separately before combining

Carefully combine the entire contents of V163-90 activator with the V163-Part A component; scrape the sides of the pail of Part B to make sure all liquid has been added.

Using a jiffy mixer at low speed, blend this mixture for three to five minutes until completely blended. Keep the mixing blade turning at a slow speed to minimize whipping air into material. Scrape sides of pail during the mixing process.

Care must be taken to assure both components are completely mixed in order to avoid partially cured spots in the coating.

Allow to induct for 30 minutes.

It is extremely important to remember that Epoxy Coatings have a limited pot life; therefore, it is wise to make sure sufficient manpower and correct application tools are in order prior to starting the mixing sequence. Estimated pot life is 6 - 8 Hrs. @ 70 °F (21 °C)

This product is ready to use once both components are thoroughly mixed. If thinning is required, thin only with water at up to 5%.

Application:

Airless Spray (Preferred Method): Tip range .021 or larger. Total fluid output pressure at tip should not be less than 2800 psi. Pump capacity must be ½ GPM or greater.

Brush: Natural Bristle only. **Roller:** Industrial Cover with Phenolic core. ¼" – ½" nap.

NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with warm water. No reduction is necessary. Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C). Relative humidity should be below 90%. Do not apply if within 5 degrees of dew point or if rain is expected within 12 hours of application.

TEST DATA	
Sag Resistance	8 mils +
Flexibility (ASTM D1737)	Pass 1/4" (6.35 mm) Mandrel
Steam Resistant	Yes
Dry Heat Resistance	275 °F (135 °C)
Wet Heat Resistance	150 °F (65.56 °C)
Adhesion (ASTM D3359)	Pass 5B
CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	Excellent
Salt Water	Excellent
Acids	Good
Alkalis	Good
Solvents	Good
Fuel	Good
Acidic Salt Solutions	Excellent
Alkaline Salt Solutions	Good
Neutral Salt Solutions	Excellent

SYSTEMS RECOMMENDATIONS
COMPATIBLE FINISHES
V400 Line, V410, V440 Line, V500 Line, V510 Line, V520 Line, V540 Line Alkyds, and Acrylics
For substrates other than listed above, or for usage in severe environmental conditions, please consult with Corotech® Technical Service.

Clean Up

Clean up with warm, soapy water.

Environmental Health & Safety Information

Danger

Causes skin irritation

Causes serious eye damage

May cause an allergic skin reaction

May cause cancer

Causes damage to organs

Causes damage to organs through prolonged or repeated exposure

Prevention: If exposed call a POISON CENTER or physician Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If exposed or concerned, get medical attention. If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. If on skin wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs get medical attention.

Storage: Store locked up.

Disposal: Dispose of contents /container to an approved waste disposal plant.

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

WARNING Cancer and Reproductive Harm– www.P65warnings.ca.gov

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using.

KEEP OUT OF REACH OF CHILDREN
FOR PROFFESIONAL USE ONLY
KEEP FROM FREEZING

Refer to Safety Data Sheet for additional health and safety information.