

HEAVY DUTY BLOCK FILLER

K00261646

Product Data Sheet

KRYLON

INDUSTRIAL
COATINGS™

DESCRIPTION

Heavy Duty Block Filler is a pure acrylic, resin block filler for use on interior and exterior poured and precast concrete, concrete block, and cinder block.

ADVANTAGES:

- Excellent moisture resistance
- Excellent filling characteristics
- Acceptable for use in federally inspected meat and poultry plants
- Resurface spalled and deteriorated concrete walls and ceilings

RECOMMENDED USES

For use over prepared masonry surfaces in:

- Dairies
- Mining Industry
- Chemical Plants
- Equipment Foundations
- Petroleum Refineries
- Water and Sewage Treatment Facilities
- Industrial concrete ceilings and walls
- Bottling Plants
- Tunnels
- Paper Mills
- Jails
- Power Plants
- Schools
- Hospitals

LIMITATIONS: Do not apply over existing coatings.

SPECIFICATIONS

RECOMMENDED SYSTEMS

Untopcoated, light service

Interior: 1 ct. Heavy Duty Block Filler (K00261646)
@ 10.0 - 18.0 mils dft

Exterior: 2 cts. Heavy Duty Block Filler (K00261646)
@ 10.0 - 18.0 mils dft/ct

Acrylic Finishes:

1 ct. Heavy Duty Block Filler (K00261646)
@ 10.0 - 18.0 mils dft
2 cts. Iron Guard Water-Based Acrylic (K110 Series)
@ 2.5 - 4.0 mils

Alkyd Finishes:

1 ct. Heavy Duty Block Filler (K00261646)
@ 10.0 - 18.0 mils dft
2 cts. Industrial Enamel (K0053 or K0083 Series)
@ 2.0 - 3.0 mils dft/ct

Catalyzed Epoxy, Solvent based:

1 ct. Heavy Duty Block Filler (K00261646)
@ 10.0 - 18.0 mils dft
2 cts. Industrial Epoxy (K0380 Series) @ 2.5 - 4.0 mils dft/ct

Catalyzed Epoxy, Water based:

1 ct. Heavy Duty Block Filler (K00261646)
@ 10.0 - 18.0 mils dft
2 cts. Water-Based Epoxy (K0244 Series) @ 3.0 - 5.0 mils dft/ct

Polyurethane:

1 ct. Heavy Duty Block Filler @ 10.0 - 18.0 mils dft
2 cts. Polyurethane (K0408 series) @ 2.0 - 4.0 mils dft/ct

SURFACE PREPARATION

The systems listed above are representative of the product's use, other systems may be appropriate.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Concrete/Masonry:

New: Surface must be clean, dry, sound, and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F. Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter by sandblasting, shotblasting, mechanical scarification, or suitable chemical means, such as muriatic acid etch, refer to ASTM D4260. Rinse thoroughly to achieve a final pH between 6.0 and 10.0. Allow to dry thoroughly prior to coating.

Old: Surface preparation is done in much the same manner as new concrete; however, if the concrete is contaminated with oils, grease, chemicals, etc., they must be removed by cleaning with a strong detergent. Refer to ASTM D4258. Form release agents, hardeners, etc. must be removed by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. If surface deterioration presents an unacceptably rough surface, Heavy Duty Block Filler is recommended to patch and resurface damaged concrete. Fill all cracks, voids, and bugholes.

Always Follow the ASTM methods listed below:

ASTM D4258 Standard Practice for Cleaning Concrete.
ASTM D4259 Standard Practice for Abrading Concrete.
ASTM D4260 Standard Practice for Etching Concrete.
ASTM D4263 Plastic Sheet Method for Checking Moisture in Concrete.

Do not apply over existing coatings.

APPLICATION

ORDERING INFORMATION

Packaging: 5 gallon containers
Weight per gallon: 14.25±0.2 lb

APPLICATION CONDITIONS

Temperature: 55°F minimum, 95°F maximum (air, surface, and material). At least 5°F above dew point.
Relative humidity: 85% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer/Clean up: Water

Airless Spray: Pressure: 2000 psi
Hose: 1/4" - 3/8" ID
Tip: .028", Filter: 30 mesh
Reduction: Not recommended

APPLICATION cont.

Conventional Spray: Gun: Binks 95
Fluid Nozzle: 67
Air Nozzle: 67PD
Atomization Pressure: 50 psi
Fluid Pressure: 20-25 psi
Reduction: As needed, up to 12% by volume

Brush: Brush: Nylon/Polyester
Reduction: Not recommended

Roller: Cover: 1/2" - 1 1/2" synthetic
Reduction: Not recommended

If specific application equipment is listed above, equivalent equipment may be substituted.

APPLICATION PROCEDURES: Surface preparation must be completed as indicated. Heavy Duty Block Filler is ready-to-spray (airless) and does not require thinning. Mix material thoroughly to a uniform consistency with power agitation and apply by brush or spray. Follow by squeegee, trowel, or roller, being careful to force material into pores in order to produce a relatively smooth surface. In severe wet areas, a smooth continuous pinhole-free appearance is necessary for proper protection before topcoating. Two coats will provide the most uniform surface. Apply paint at the recommended film thickness and spreading rate as indicated below:

PERFORMANCE TIPS

- When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.
- Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.
- Excessive reduction of material can affect film build, appearance, and adhesion.
- Make sure material is forced into pores and bugholes in order to provide a pinhole free surface.
- Do not use below grade as a hydrostatic waterproofer or in immersion service.
- Do not apply over existing coatings.

CLEAN-UP

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with Mineral Spirits, K01661600, to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using Mineral Spirits.

CHARACTERISTICS

FINISH: Flat

COLOR: White

VOLUME SOLIDS: 54.5% ± 2%

WEIGHT SOLIDS: 73% ± 2%

VOC (CALCULATED): 15 g/L; 0.13 lb/gal

CHARACTERISTICS cont.

RECOMMENDED SPREADING RATE PER COAT: (varies with physical and chemical exposure, application, surface irregularities, and degree of sealing and filling desired.)

Wet mils: 18.0 - 33.0

Dry mils: 10.0 - 18.0

Coverage: 88 - 48 sq ft/gal approximate

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

DRYING SCHEDULE: @ 18.0 mils wet and 50% RH: @ 77°F

To touch: 1 hour

To handle: 6 hours

To recoat:
itself: 1 hour

waterborne coatings: 18 hours

solventborne coatings: 48 hours

To cure: 30 days

Drying time is temperature, humidity, and film thickness dependent.

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

SHELF LIFE: 36 months, unopened, at 77°F

FLASH POINT: >200°F, PMCC

REDUCER/CLEAN UP: Water

PERFORMANCE TESTS

Substrate: Concrete

Surface Preparation: Clean, dry, sound

Finish: 1 ct Heavy Duty Block Filler @ 10 mils dft/ct

Adhesion: Method: ASTM D4541 Result: 200 psi

Direct Impact Resistance: Method: ASTM G14; Result: 6 in. lbs.

Dry Heat Resistance: Method: ASTM D2485; Result: 200°F

Flexibility: (cold rolled steel)

Method: ASTM D522, 180° bend, 1" mandrel; Result: Passes

Moisture Resistance: Method: TT-C-555B; Result: No failure

Pencil Hardness: Method: ASTM D3363 Result: 5B

Thermal Shock: Method: ASTM D2246(5 cycles); Result: Excellent

Wind Driven Rain Resistance: Method: TT-C-555B; Result: Passes

Wet Heat Resistance: Method: Non-immersion; Result: 120°F

Provides performance comparable to products formulated to Federal Specification: TT-F-1098D Type 1.

CAUTIONS

Thoroughly review product label for safety and cautions prior to using this product. A Material Safety Data Sheet is available from your local Krylon Industrial Coatings™ Distributor. Please direct any questions or comments to your local Krylon Industrial Coatings™ Distributor.

Note: The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, Krylon Products Group cannot make any warranties as to the end result. Please direct any questions or comments to 1-800-777-2966..