

DIRECTIONS

Surface Preparation: Apply **Chemseal Foundation Gray** to a clean structurally sound surface. Remove mortar droppings, efflorescence, salt, deteriorated concrete or masonry, dirt, oils, waxes, form release agents, curing compounds, and paints. Eliminate mildew, mold, or fungus growth on the wall by cleaning with an EPA approved product and following those directions before applying **Chemseal Foundation Gray**.

Repair all cracks and voids. Grout around pipes and conduit with **ChemMasters' ChemPlug** hydraulic cement. If necessary, repoint joints at wall/slab intersections. To prevent leakage at joints chip the crack and apply a cove of **ChemPlug**. Drill weep holes at the base of any wall with an active pressure leak to temporarily relieve water pressure. Weep holes may be plugged 48 hours after **Chem-Seal Foundation Gray** application.

Mixing: Each 50 lb bag of **Chemseal Foundation Gray** will require 7 to 8 quarts (6.6 to 7.5 L) of mixing liquid. The amount of mixing liquid used will vary depending on the consistency of the **Chemseal Foundation Gray** desired.

** Mixing Liquid For Best Results**

Standard applications: Use **Cretelox** acrylic ad mixture as part of the mixing liquid:

Surface	Cretelox: Water
Smooth concrete	1:3
Dense brick, tile, etc.	1:2
Weak or deteriorated surfaces	1:2

Cretelox improves the chemical, impact, abrasion resistance, and increases bond strength of **Chemseal Foundation Gray**.

Pour half of the mixing liquid required for the batch into a clean empty mixing container and begin slow speed mixing with a drill and paddle. Do not entrain air. Slowly add **Chemseal Foundation Gray** to the mix. Add more mixing liquid as needed to bring the mix to a heavy pancake batter consistency.

Stop the mixer and allow the mixture to fatten for 20 minutes. Remix and if necessary add additional mixing liquid to achieve brushing consistency. Properly blended material should cling to a masonry brush without dripping. Pot life is 60 minutes at 70°F (21°C). Higher temperatures and low humidity may significantly reduce pot life.

When making a trowel able mix use one part clean silica sand to every 2 parts of **Chemseal**. Pre-blend the sand with each bag of **Chemseal Foundation Gray**.

Maintain the recommended mixing liquid ratios of **Cretelox** and water needed based on the application.

GENERAL APPLICATION INSTRUCTIONS

Prior to applying **Chemseal Foundation Gray** fog spray the substrate with potable water until thoroughly wetted. On hot days exterior applications may require repeated wetting. A dry surface will take the moisture away from **Chemseal Foundation Gray** and the surface will crack.

- Application: apply with a mortar brush, trowel, or textured spray equipment. Scrub coat with proper mixture where needed to fill cracks and voids. Follow application rates for the first and second coat on page 1. Do not spread too thin. Trace mortar joints to insure they are completely filled. Finish brush strokes in one direction for uniform appearance. Avoid stopping finish coats in the middle of a wall to avoid lap marks. Work towards a natural break point such as a corner, column, or control joint.
- For the maximum damp proof durable surface apply a second coat.
- Negative side water pressure: use thicker coats
- Exterior vertical walls, marine aquarium, swimming pools, zoo tanks: use thinner coats
- Cure for 2 days before applying a second coat to reduce suction shadowing and obtain greater color uniformity.

STORAGE

Store unopened bags on a pallet in a cool dry area. Shelf life of properly stored material is 2 years from date of manufacture.

LIMITATIONS:

- Do not apply if rain is expected within 24 hours or if temperature is > 90°F (32°C) < 40°F (4°C)
- Do not apply to painted surfaces
- Some batch to batch color variations can be expected due to temperature, humidity, and water content
- Do not apply to painted surfaces

PRECAUTIONS

DANGER: Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled.

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