

WALL DRI® MASONRY WATERPROOF COATING

WALL FIRMA, INC.

Waterproofing and Repair Products Since 1949.
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FOR CONCRETE, BRICK & MASONRY

DESCRIPTION:

Wall Dri is packaged in dry powder form and is a heavy duty cement based coating for all masonry and concrete. Wall Dri will seal the pores, cracks, voids and smooth out rough surface concrete and block. Wall Dri assures complete protection against moisture penetration. Wall Dri permits the wall to "breathe" thus will not peel or chip off if properly applied.

Wall Dri penetrates into the pores of concrete and concrete block. It actually bonds into the surface of the wall.

USES:

- Can be used on interior or exterior, above or below grade, new or old construction.
- Seals water and dampness out of concrete and masonry brick and block walls. Wall Dri protects against damage from the following forces: frost, water damage, spalling, erosion, weather.
- Waterproofs all masonry surfaces. Its exceptional filling qualities assure complete protection against water penetration.
- Leakproofs any and all masonry containers that hold water. Example: swimming pools, cisterns, septic tanks, reservoirs.
- Provides an attractive finish for all concrete and masonry surfaces. It fills holes, cracks, voids, and minor form marks.
- Can be textured by using brush and float, trowel and float, or spray gun.

SURFACE PREPARATION:

Surface must be free from dirt, loose mortar, paint, films, protective coatings, and efflorescence. Efflorescence is a white powdery residue left on areas where water has saturated the wall. If efflorescence is present on the wall, it must be scrubbed and cleaned with muriatic acid. Be certain to follow manufacturers instructions when using muriatic acid.

Concrete should be free of form marks with a reasonably smooth surface. Do not use form treatments containing oils that will stain or prevent a good bond for the Wall Dri.

Patch all holes, cracks, and spalled concrete with Firma Patch. Cut all tie rods and steel separators back to a depth of one inch and also fill with Firma Patch.

APPLICATION:

Dampen surface immediately ahead of application with clean water.

Mix Wall Dri with clean water as directed on the container. Normal Consistency would require one gallon of water per 25 lb. of Wall Dri. After mixing, let Wall Dri stand for approximately ten minutes before using.

When applying Wall Dri, use a tampico bristle brush and apply Wall Dri to the surface. Lay Wall Dri on the surface, level it out so as to fill all the pores, cracks, and voids in the block, concrete or joints.

When applying on smooth or non-porous concrete and masonry, or when greater bonding strength is needed, mix one quart Firma Bond with three quarts of water per 25 lb of Wall Dri and increase the Firma Bond concentration for more difficult surfaces. For maximum strength, apply Firma Bond to the wall prior to application of Wall Dri as well as mixing with the Wall Dri.

EXTERIOR ABOVE GRADE APPLICATION:

For maximum strength waterproofing, evenly apply a coat of Wall Dri, using about 2.5 lb. per square yard of wall surface, smoothing out the surface in one direction.

After first coat dries (approximately 24 hours) apply a finish coat of Wall Dri at about one lb/square yard.

For ordinary water conditions, a single coat of Wall Dri applied at 2.0 lb/square yard is usually sufficient to both beautify and waterproof the wall. If desired, after Wall Dri dries and cures, it can be painted with a high quality acrylic surface paint.

BASEMENTS - INSIDE APPLICATION:

Repair all cracks, joints and holes, to stop running water with Firma Plug. On severe water problem areas, cut out weep holes at bottom of wall, leave open maximum of 24 hours until wall dries out, then fill weep holes with Firma Plug. Coat immediately with Wall Dri. Let Wall Dri set and cure for 24 hours, then apply a second coat for added protection.

On ordinary water leakage or dampness, brush on two applications of Wall Dri. Mix the base coat at two pounds per square yard to fill and seal the wall surface. The second coat should be mixed thinner at one pound per square yard.

ABOVE GRADE APPLICATION:

Recommended method of application is two coats of Wall Dri applied with a 24 hour curing time between coats.

The base coat should be mixed two pounds per square yard and the finish coat at one pound per square yard.

Wall Dri can be painted with a high quality acrylic exterior paint after it has completely cured.

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EXTERIOR FOUNDATIONS - BLOCK AND BRICK:

Make sure joint between footer and first course of block is clean and free from mortar drippings.

Using Firma Plug, seal all holes and cracks and voids in this joint. For best possible results, put cove around the entire foundation along this joint. Also use Firma Plug to point or fill any cracks or voids in the joints or block of the foundation. Anchor with Firma Plug any pipes or utility lines that pierce the foundation.

Coat the foundation using two coats of foundation coating or Wall Dri, making sure the coatings carry down over the footer. A third coat of Wall Dri or foundation coating applied over the joint at the footer is a good idea.

CONCRETE FOUNDATIONS:

- After removing forms, wash off excess form oil.
- Clean entire foundation with a muriatic acid solution.
- Cut tie wires back 3/4 - 1 inch and cover holes with Firma Plug.
- Apply two coats of Wall Dri or foundation coating at the recommended coverage.

First coat -
two lb. per square yard.

Second coat -
one lb. per square yard.

Be certain to cover joint area between footer and wall with both coats.

SWIMMING POOLS:

Wall Dri is an excellent coating for masonry swimming pools.

The surface must be completely clean of all foreign materials such as scum, body oils, suntan lotions,

mineral and chemical lines. The recommended method of cleaning is sandblasting.

Wash surface well after cleaning with clean water.

Repair all cracks with Firma Plug. For best results on larger cracks, use a chisel and widen cracks into and inverted configuration. Use a quality flexible sealant on any and all expansion joints.

Coat pool surfaces, floor and walls, with two coats of Wall Dri. For each coat mix at least two pounds of powder per square yard of surface. Water cure the surface, lightly spray with water at eight hour intervals as drying requires.

Do not fill with water until surface is completely set; a minimum of 96 hours.

CISTERNS:

Repair all cracks with Firma Plug.

Brush on two coats of Wall Dri at the recommended coverage of two pounds per square yard. Allow 24 hours drying time between coats. In restricted air movement areas, this time may increase.

Allow second coat of Wall Dri to cure a minimum of 72 hours, then wash with a salt brine solution leaving it on the walls for 24 hours. Rinse inside of cistern with clean water.

TUNNELS:

Repair all cracks with Firma Plug.

Patch all spalled areas with Firma Patch.

Apply two coats of Wall Dri at the recommended coverage of two lb. per square yd.

Allow 24 hours drying time between coats.

For more severe applications, recommended coverage may have to be increased.

PARAPET WALLS:

Before placement of coping, apply two coats of Wall Dri at the recommended coverage of two pounds per square yard.

Cover the roof side of the parapet wall from the roof flashing to the top of the wall. Also coat the entire top surface filling all the voids, joints, and pores.

WHAT IS EFFLORESCENCE?

Efflorescence is a white powdery deposit or discoloration occasionally found on masonry walls. Water coming through the pores on the block or cement works on the soluble salts found in the masonry, brings them to the surface and then evaporates, leaving the white residue on the wall. There is really no cure for this problem. Two methods that have had some success are as follows:

- Scrub the area with a solution of muriatic acid, using a wire brush. Then rinse well with clean water.
- Cleaning the affected area with detergent, removing all traces of the efflorescence.

Rinse clean, then apply a light trowel coat of Firma Plug.

COVERAGE:

25lb. Wall Dri will cover approximately 150 - 200 square feet of surface depending upon the surface porosity. The more porous the surface, the less coverage.

TECHNICAL SUPPORT DATA:

See Technical Data Sheet.