



4595 W. Jacquelyn Avenue, Fresno, CA 93722 • Tel:559-275-9620 • Fax:559-275-9629

Retaining Wall Procedure

Objective: to create an 80 mil waterproof membrane for a retaining wall using Rubber Coat

General:

The following is a typical application method for Rubber Coat membrane when applied as a new membrane for below grade waterproofing medium. Each project will have special conditions and these should be identified and addressed separately from this general application method. For any details not covered in these instructions, please contact PermaDri Inc. before proceeding.

Submittals:

1. Product literature, samples and MSDS provided upon request.
2. Samples, data sheets and MSDS sheets must be submitted to PermaDri of all materials not supplied by PermaDri and must be pre-approved by PermaDri prior to job start.

Preparation:

Prior to commencement of work, a thorough inspection of the concrete wall should be carried out to determine or confirm the following:

1. All loose concrete, laitance, sharp edges, oil or unusual stains must be removed. If sandblasting is used, all residual sand must be removed from wall.
2. Surface must be free of voids and irregularities. Voids larger than 1/8th inch must be filled.
3. Application to surfaces where curing compounds have been used contact PermaDri before proceeding.
4. All footings must be cleared and cleaned prior to beginning application.
5. Concrete wall must be fully cured prior to application of the Rubber Coat membrane.
6. A water based primer is recommended to minimize blisters caused by concrete off gassing.



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Application: 3-coursing angles, seams and penetrations

1. For all angles, seams and penetrations; brush or roll Rubber Coat 6 to 8 inches wide.
2. Embed a 4 or 6 inch polyester fabric* into wet Rubber Coat so that it is fully saturated.
3. Brush or roll Rubber Coat over polyester fabric extending 2 to 4 inches past existing Rubber Coat. Allow all 3-coursing to dry to the touch before proceeding (typically 24 hours).

Application: Rubber Coat

1. Beginning with walls brush or roll Rubber Coat in one direction starting at lowest point and working to highest point at rate of 1 gallon per 100 square feet. Allow Rubber Coat to dry to the touch prior to proceeding.
2. Brush or roll Rubber Coat over entire Planter Box in opposite direction at the rate of 1 gallon per 100 square feet.
3. Repeat steps 1 and 2 until total thickness is achieved (8 gallons per 100 square feet).

Note: When building thickness on vertical walls let Rubber Coat dry to the touch before applying next coat to avoid sagging of the membrane.

Note: Non selected back-fill requires a protection board or drainage board to be installed prior to filling. Contact PermaDri if there are questions on fill material.

Note: Minor blistering is common with water-based products. Most blisters subside over time. Large and unsightly blisters should be cut and repaired with polyester fabric (if necessary) and sealed with coating.

Note: Cure times can be affected by weather conditions. Ideal conditions are 70 F+ and 50% or less humidity. Given ideal conditions normal cure times are 24-48 hours for the full system. Fans and heaters can be used to accelerate the drying/curing process.

*recommended polyester fabric: TieTex T272