

APPLICATOR'S GUIDE DECO 20 SEAL WATERPROOFING MEMBRANE

DECO 20 SEAL WATERPROOFING MEMBRANE is code compliant with ICC Evaluation Services, Inc. for waterproofing. DECO 20 SEAL WATERPROOFING MEMBRANE is not intended however, to replace an approved drainage system or properly construction foundation wall. If the product is new in your area, notify your code officials and inspectors prior to using this product. Literature, copies of this guide, code reports and samples of the product may be needed for review.

On masonry block walls, DECO 20 Clear Penetrating Concrete Sealer must be applied before the application of DECO 20 SEAL. Perform a test of DECO 20 Clear Penetrating Concrete Sealer. After the clear sealer has dried on the masonry substrate, apply water to substrate to see if sealer repels water. If water repels, continue with the application of DECO 20 SEAL. If water absorbs into substrate and does not repel water, do not continue the application of DECO 20 SEAL. Call your local DECO representative for additional information.

Review the MSDS sheet for detail health hazard information, keeping in mind that since DECO 20 Seal is a water base product, no special clothing or vehicle permits are required. Safety glasses and masks do provide additional protection if applying material in a confined area. Also with no VOC's, there is no soil contamination.

A. DECO 20 Seal is an acrylic polymer resin in a water base, and is gray in color. Being water based allows DECO 20 Seal to be applied to green concrete and masonry walls and is paintable. The coating works by wrapping the walls in a water tight, seamless, electrometric membrane. The system works best if the entire wall top to bottom is coated. This eliminates the problem of determining the proper grade line.

B. The primary use of the material is to waterproof concrete and masonry basements above and below the grade line. The material is packaged in standard 55 gallon containers. Other packaging available. Do not add water to the container. Protect product from freezing. Store material inside at 32 degrees or higher.

C. Surface preparation prior to coating:

- (1) Remove any loose concrete or other projections from the wall surface. Projections would be "fins" at the form joints, or knots created by defects in the form surface.
- (2) Check surface for any structural cracks or excessive honey comb. If (2) requires attention, contact your builder and inform him of potential problems.
- (3) Remove dirt, loose concrete chips, or any other contaminants from the wall surface.
- (4) Patch ties if required. (See section "Conditions of Use" ICC report ESR-1416) Do not apply DECO Tie Patch over 120 mil thick.
- (5) Clean the footing and pay particular attention to the intersection of the footing and the wall.

D. Water based products are great to work with, but have limitations:

- (1) This product can be applied if the air temperature is 28 degrees and rising at time of application. Minimum allowable temperatures are affected by wind, sunshine, humidity and heat of hydration on poured walls.
- (2) Material must be completely dry to the substrate before any type of protection or drainage board is applied or before backfill operations begins.

E. The best way to apply this product is with an airless sprayer with a 531 or 631 switch tip. A typical pump would be the GRACO 7900. Other brands of pump, with equal performance are also acceptable. Pump pressure settings depends on the applicator's ability in applying this product to the mil thickness desired at time of application. In general, the minimum and maximum pressure should be between 800 to 1800 PSI (GRACO 7900 model) or by other pump specifications by the manufacturer. Caution should be used on windy days to avoid overspray on nearby structures. Overspray is best removed by immediate washing with soap and hot water using a textured sponge or cloth. Even though the coating is applied with a high pressure sprayer, the unit may clog up. Clogging of the system is generally caused by the following items that should be avoided under all circumstance:

- (1) Air vent is left open on container after sprayer is completed.
- (2) Intake line is disconnected from the container and not completely sealed.
- (3) Container is left exposed to direct sunlight.
- (4) Size #30 mesh screens are not cleaned regularly (use ONLY #30 mesh).
- (5) Using product that has been frozen.
- (6) Check pump manual for other areas that could cause problems in operation of the pump.

F. Air is an enemy in keeping the system clog-free. Attempting to flush the system can create more problems than leaving the entire unit fully charged with DECO 20 Seal at all times. Also keep the end of the wand in water to prevent material hardening on the switch tip.

G. The coverage rate for DECO 20 SEAL is approximately 50 Sq. Ft. per gallon depending on the porosity of the substrate, moisture content, and if the wall is smooth or textured design concrete or masonry construction. The first step in applying the coating is to lay down a bead of material where the footing and wall intersect. The surface should be coated to a wet thickness of 30 mil (+ - 5 mil.). The wet thickness can be verified by using a mil gauge to ensure a minimum of 30 mil. (+- 5 mil). The minimum dry thickness will be approximately 17 mil. If there is any question concerning the desired results of a job, perform a jobsite test first. Review the MSDS sheet for detail health hazard information, keeping in mind that since DECO 20 SEAL is a water base product, no special clothing or vehicle permits are required. Safety glasses and masks do provide additional protection when applying material in a confined area.

1 Set
Mil Gauge
DECO 20 Seal Technical Data
Code Approval Report
MSDS Sheet
Applicator's Guide