

APPLICATOR'S GUIDE DECO ULTRA THERM

On masonry block walls, DECO 20 Clear Penetrating Concrete Sealer must be applied before the application of DECO ULTRA THERM. 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 ULTRA THERM. If water absorbs into substrate and does not repel water, do not continue the application of DECO ULTRA THERM. Call your local DECO representative for additional information.

Review the MSDS sheet for detail health hazard information, keeping in mind that since DECO ULTRA THERM 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.

A. DECO ULTRA THERM is an acrylic polymer resin in a water base, and is white in color. Being water based allows DECO ULTRA THERM to be applied to green concrete and masonry walls.

B. The primary use of the material is to insulate concrete and masonry substrates. The material is packaged in standard 5 gallon containers. Other packaging available. Do not add water to the container. Protect product from freezing. This material must be stored inside at 38 degrees or higher. Do not store in direct sun light

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.
- (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 38 degrees and rising at time of application. Minimum allowable temperatures are affected by wind, sunshine, humidity and heat of hydration on poured walls. Do not apply material if temperature is above 90 degrees.

E. The best way to apply this product is with an airless sprayer with a 519 or 619 switch tip. 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 & 1800 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) Mesh screens are not cleaned regularly
- (5) Using product that has been frozen or left outside in sun light.
- (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 ULTRA THERM 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 ULTRA THERM is approximately 80 to 90 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 surface should be coated to a wet thickness of 26 mil (+ - 5 mil.). The wet thickness can be verified by using a mil gauge to ensure a minimum of 26 mil. (+- 5 mil). The minimum dry thickness will be approximately 15 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 ULTRA THERM 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 ULTRA THERM
Technical Data
MSDS Sheet
Applicator's Guide
DECO ULTRA THERM Page 2 of 2

11/06