

DensiCrete

TECHNICAL BULLETIN

TEMPERATURE CONSIDERATIONS

- * When concrete, limestone or brick surface temperatures exceed 80 degrees F, it is recommended that the surface be dampened with water prior to application. This will allow less evaporation and aid in the product's penetration.
- * When concrete, limestone or brick surface temperature exceeds 90 degrees F, it is MANDATORY to dampen the surface with water prior to application.
- * **DensiCrete** should be applied when surface temperature is 50 degrees F or higher. When the surface temperature is less than 50 degrees F, application should be discontinued.

GLASS AND METAL SURFACES

- * When inadvertently applied to metal surfaces, it is recommended that those surfaces be immediately rinsed off with water, then wiped off with soapy water followed by another water rinse.
- * **DensiCrete** will scratch uncooked metal and painted surfaces.
- * **DensiCrete** will scratch glass. It is recommended that glass surfaces be protected by plastic shielding when applying near them. If inadvertently applied to glass, do NOT wipe it off the glass. First, rinse with a hose or water sprayer and use it to let water flow over the glass surface. (In this way, the micro silicate will not be "pressed" into the glass surface by wiping). Second, clean the glass surface with warm soapy water. Third, rinse again with water. Then the surface may be towel dried.

SPRAYING

- * **DensiCrete** should be sprayed only using a garden-type sprayer or equivalent, low pressure hose at less than 40 psi. It should NOT be sprayed under high pressure or with an atomized sprayer.

CORROSION

- * **DensiCrete** will not reverse the effects of corrosion already present on rebar (metal rods).

- * Water in concrete or limestone provides the electrolyte necessary for rebar corrosion to occur. By eliminating excess water by displacement from the concrete or limestone matrix, **DensiCrete** will inhibit further corrosion of the rebar.

GENERAL CONCRETE, LIMESTONE AND BRICK TREATMENT

- * To strengthen, clean and seal concrete, limestone and brick which is already in generally good condition, a minimum of two applications of **DensiCrete** at a spread rate of approximately 150 sq. ft. per gallon - per single application generally is sufficient.
- * Freshly poured concrete should be allowed to complete its 28 day cure period prior to application of **DensiCrete**.

STOP WATER LEAK TREATMENT

- * To stop water leaks, between three and six applications of **DensiCrete** at a spread rate of approximately 150 sq. ft. per gallon is generally required. The number of applications depends upon the porosity of the concrete, limestone or brick and the rate of leakage.
- * To make certain that all excess moisture has been stopped, place a piece of plastic wrap on the surface, If, after 24 hours, no moisture is visible between the surface and the plastic wrap, the leak has been stopped.

CLEANING CONCRETE, LIMESTONE AND BRICK

- * **DensiCrete** will, by displacement, force foreign materials (e.g. salts, iron oxide, acids, grease and oil) to the surface.
- * Time required to complete **DensiCrete**'s cleansing action depends upon many variables including concrete, limestone and brick matrix condition, type of foreign materials, and environmental conditions such as temperature, wind and moisture.
- * Therefore, ALWAYS allow at least 15 days for the cleansing action to take place. Every third day, visually inspect the treated surface to check for foreign material. Usually, salt crystals are the first undesirable materials to rise to the surface. These materials should be removed from the surface by brushing or vacuuming them away every third day unless there is sufficient wind or rain to accomplish this action.
- * You may walk on **DensiCrete** treated surface after 30 minutes, but rugs,

cabinets and other objects which continuously cover many square feet of concrete, limestone or brick surface may not be placed back into their positions because they will interfere with the cleaning action, If objects must be used, they should be removed after the work shift has ended.

- * If after 15 days there is no further evidence of **DensiCrete's** cleansing action, its job of cleaning probably is completed. However, some greases and oils may not rise to the surface until later due to their weight.
- * In almost all cases, **DensiCrete's** cleansing action is completed within 30 days.

PAINTING

- * If **DensiCrete's** cleansing action is not yet completed, it will cause virtually any type of coating subsequently placed on concrete, limestone or brick to lift off the surface. This would occur due to the displacement of foreign material to the surface causing the coating to bubble and crack.
- * **NO COATING OF ANY KIND** should be applied over a **DensiCrete** treated surface UNTIL 30 days have passed since application AND UNTIL at least three days shall have passed since visible foreign material have been seen.

CONCRETE, LIMESTONE AND BRICK STAINING AND STREAKING

- * After **DensiCrete** is applied to the surface, its cleansing action will force various materials to the surface. Some of these materials (for example, iron oxide corrosion products) may cause staining or colored streaking on the concrete, limestone or brick surface. To the extent possible, these foreign materials should be removed from the surface by washing or brushing them away. Sometimes permanent staining may occur. In the latter case, a cementitious material or paint may be required to achieve an aesthetically pleasing appearance. It is highly unlikely that any staining would occur in concrete, limestone or brick if there is no wire mesh or rebar in the structure.