

TECHNICAL BULLETIN

No. 124

Page 1 of 2

Date: June 1, 2006

THIS BULLETIN IS USED TO INFORM DISTRIBUTORS, THEIR SALESPEOPLE AND USERS ABOUT PRODUCT IMPROVEMENTS, PRODUCT LIMITATIONS AND CHANGES OR IMPROVEMENTS IN RECOMMENDED INSTALLATION METHODS WHICH ARE NOT FULLY DESCRIBED IN CURRENT LITERATURE AND SPECIFICATION SHEETS.

PLEASE BE SURE ALL SALESPEOPLE RECEIVE THIS NOTICE

PAVECRETE – Coatings and Paints

The construction industry is continuing to work to reduce the amount of time it takes to construct buildings. In some cases this is causing problems with products and their standard application methods. One example is that paint and coating applicators are not waiting before applying Primers and Coatings to walls freshly rubbed with cementitious products such as PAVECRETE. In many cases the applicators are not following their own product requirements for applying over fresh concrete surfaces. The purpose of this Technical Bulletin is to provide information and solutions related to this issue.

Powdering – PAVECRETE is typically applied by most finishers and then sanded. After sanding the PAVECRETE surface is usually soft but hardens up after exposure to moisture (directly applied or high humidity). If a coating applicator believes the PAVECRETE surface to be too soft, the surface can be hardened by applying PATCHCRETE Acrylic Polymer to the surface. Sodium silicate surface hardeners can also be used.

pH – PAVECRETE typically has a pH of 11-12 after initial application. The pH will drop over time depending on environment and application conditions. Most paints and coatings are pH sensitive and can show “burn” aspects leading to discoloration. Before applying paints or coatings, most applicators now use Primers to shield the paints and coatings from high pH of the concrete surfaces.

Moisture – Non-breathable paints, coatings or primers applied very soon over PAVECRETE or any other fresh concrete surfaces can trap moisture at the surface. If the PAVECRETE is still curing, the extra moisture can weaken the PAVECRETE. This can lead to the blisters in the coating or debonding. Most paints, primers and coatings have time restrictions before covering fresh concrete surfaces. Many applicators are not following these restrictions.

PAVECRETE Mixing Alternative – PAVECRETE can be mixed with half water and half PATCHCRETE Acrylic Polymer. This improves the curing of PAVECRETE and will help reduce issues with early application of Primers and Coatings.

LYONS MANUFACTURING, INC.

Construction Products Since 1957

8900 Forney Road ♦ Dallas, Texas 75227-4505 ♦ Tel: 214/381-8100 ♦ FAX 214/381-8158

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Page 2 of 2

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PAVECRETE PLUS – This product uses an improved dry polymer technology. PAVECRETE PLUS once cured is a harder tougher surface than PAVECRETE. The pH and moisture levels of PAVECRETE PLUS drop sooner than PAVECRETE allowing it to receive coatings, including non-breathable coatings much quicker.

IN ALL CASES THE APPLICATORS OF PAINTS, WATERPROOFING, PRIMERS OR OTHER COATINGS SHOULD ALWAYS FOLLOW THE RECOMMENDATIONS OF THE COATING MANUFACTURER ON SURFACE PREPARATION, TIMING AND TESTING.

If there are any questions or concerns in this matter, please contact the factory.

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