GreenCanvas

Expansive Component for Sustainable Concrete

GreenCanvas Used in Tilt-Up

With the advent of GreenCanvas, a Type "G" Expansive component, one application that could be considered is the benefits of using GreenCanvas in tilt-up panels. GreenCanvas would not really be needed at full shrinkage compensating percentages due to the panel size, but at a percentage of 5-6% there can be several advantages.

First of all, there will be no need to change the layout of the reinforcement of the panels, but at a medium dosage rate, the normal cracking that is experienced in most panels will be lessened to even eliminated. Secondly, since GreenCanvas forms platy crystals, the panel surfaces will be less permeable and also more abrasive-resistant than if only a standard conventional mix were to be used.

Since GreenCanvas is transparent or invisible in the mix, there are no special placing or finishing techniques necessary, and as well, GreenCanvas is compatible with any admixtures meeting ASTM C-494, making the homogeneity of the mix identical to one that doesn't have GreenCanvas in it.

With the increased durability that will be seen from GreenCanvas and especially with the lesser potential cracking, waste will most certainly decrease while to longevity of the finished structure will increase, as there will be little or no moisture penetration even in plain tilt-up panels.

As always, GreenCanvas will add to the LEED's certification process that is expected from Green Umbrella.

Jason Barnes
Chief Consultant
870-917-2054

www.GreenCanvasConcrete.com

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