



Project: Sysco Foods Central Alabama Roof Replacement , Calera, AL.

Approved Contractor: All-South Subcontractors, Spanish Fort, AL.

Roof Cover: Firestone Induction Welded TPO

Celcore Incorporated News and Updates

The Celcore newsletter was introduced almost two years ago as a tool to announce new products and product approvals. In addition to these announcements, we have used the newsletter to send information on other topics that benefit the Celcore process and our valued contractors.

The primary audience of our first newsletter was our valued contractors. Over time, however, our list of recipients has increased to include Architects, Engineers, other specifiers, and various stakeholders in our industry. For those new, or the newly subscribed, the following are links to our previous newsletters:

- [Volume 1 Issue 1](#)
- [Volume 1 Issue 2](#)
- [Volume 1 Issue 3](#)
- [Volume 1 Issue 4](#)
- [Volume 1 Issue 5](#)

We invite everyone to take advantage of these newsletters by saving or printing them for future reference. Upon review, please do not hesitate to contact our office should you have any questions, comments or requests for additional information.

Celcore PVA Curing Compound (CCC)

As detailed in Celcore's Manufacturer Installation Instructions, curing is a specified step in the Celcore placement practice. Celcore PVA Curing Compound (CCC) is a proprietary product produced by Celcore Incorporated that is intended for use on all Celcore Insulating Concrete roof deck placements to support proper curing. CCC promotes uniformed early strength development of newly placed Celcore Insulating Concrete, minimizes post placement drying shrinkage cracking, and assures that the deck has sound surface strength. All concrete experts agree that post placement curing is a sound construction practice for newly placed concrete. **SUMMER IS HERE.** Notably, the higher temperatures and long days associated with the summer months can have a considerable impact on a decks hardened properties making proper curing essential. This is particularly important in situations where the waterproofing roof cover will be adhered to the roof decks surface. Further, proper curing, followed by timely installation of the waterproofing roof cover serves to minimize the amount of drying shrinkage cracking that will ultimately occur in the roof deck placement topping.

[Click here to view Specification for Curing Celcore Insulating Concrete Roof Decks](#)

Following topping placement, Celcore PVA Curing Compound shall be applied to the deck surface as early as is practical once the deck topping has developed strength sufficient to support foot traffic without damage (typically the morning of the day following topping placement). Application delays diminish the effectiveness of timely curing. The deck surface shall be clean and free of loose debris prior to application. Wetting the deck surface with water prior to the application of curing is recommended. CCC shall be liberally applied to the wetted deck, most effectively by being pumped and spray applied using a garden hose nozzle. Operations properly configured are commonly able to wet and cure a day's placement in 20-30 minutes time. Application by way of pump spray bottles are time consuming and generally considered inadequate and ineffective.

Notably, CCC is a "curing compound". It is not a "sealer" as it is sometimes improperly described. It does not provide any measurable waterproofing protection to the installed roof deck. Following proper placement and curing, an installed roof deck shall be considered adequately cured to receive its protective waterproofing roof cover within 3 - 5 days. Therefore, beyond the aforementioned open air cure period, prolonged uncovered exposure of an installed system beyond that required to properly install the above deck waterproofing cover is explicitly discouraged and shall be considered an abuse of the insulation by Celcore. Installaion contractors are encouraged to seek letter statements from Celcore when situations of unnecessary, prolonged, uncovered deck exposure arise. The combination of proper post placement curing and the timely subsequent installation of the waterproofing roof cover shall be considered required construction sequencing.

In summary, timely curing is an effective means to minimize drying shrinkage, cause uniformed strength development within the topping, and promote sound surface strength adequacy. Thereafter, timely installation of the waterproofing roof cover provides further assurance for a quality job outcome.

We would like to thank those that have shared these newsletters and encouraged their colleagues to sign up for future emails. We believe these announcements and discussions benefit Celcore, its Approved Contractors, our industry, and most importantly, our end use building owner customers.

We invite your suggestions for future topics and welcome any questions or comments you may have.

Sincerely,

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