

## **Vulkem 45ssl and Dymonic 100 on Green Concrete**

### **The Reason for the Bulletin:**

Vulkem 45SSL and Dymonic 100 can be used on concrete after the concrete has cured for 24 hours. If curing or sealing compounds were applied to the green concrete, they must be removed before applying the sealant. Vulkem 45SSL and Dymonic 100 are the only sealants we are recommending for green concrete at this time.

By request, we tested Vulkem 45SSL and Dymonic 100 for adhesion to concrete that was 24 hours old. Sealant was applied 24 hours after the concrete had cured. We also applied sealant to the same 24-hour old concrete that had been treated with Euclid Chemical's Rez-Seal Cure and Seal Compound. This compound is a film forming, penetrating sealer that is applied to concrete to aid in the curing and hardening process and is commonly used on green concrete.

After the standard 21-day cure time for this one part sealant, Vulkem 45SSL and Dymonic 100 were tested for adhesion using the tab adhesion test and the results were 100% cohesive failure. This means that the Vulkem 45SSL and Dymonic 100 tore within themselves and did not lose adhesion to the concrete. This was considered satisfactory adhesion to green concrete after 21 days of cure at 23C and about 25% relative humidity.

Any curing or sealing compounds must be removed before applying the sealant. Removal typically requires mechanical grinding but with some sealers, such as Rez-Seal it can be removed using a strong solvent like xylene, MEK, or toluene

