



## The Flanagan Corporation

*Better Solutions – Faster Response*

### Cerritos Performing Arts Center

#### **Overview:**

I have to admit this was one of the most challenging jobs to specify materials for. Typically you lean on past experiences but this job was so unique that past experiences were not available to me. Cerritos Performing Arts Center is a one of a kind transforming auditorium. It has 7 different configurations to accommodate a multitude of events. Because of this unique feature the floor that needed a coating would see some very unusual forces. In order to move the walls of the auditorium to configure for different venues they had to rely on a hovercraft system to slid the walls into place. Although the hovercraft system was very effective to alleviate a lot of the weight of the walls each wall still weighed upwards of 180 tons.



#### **Description:**

When considering the different coating options we had to consider not only the abrasion of the hovercraft pads sliding across the floor but also the working environment. Due to the sensitivity of the job site there were no spray applied coatings that were allowed. We had to choose a role applied coating system and still achieve a durable coating system. One of the other factors that come up was once the floor was moved into place the weight of the walls resting on the floor. Once the hovercraft system moved the walls into place they would set the walls down onto the floor resting the weight of the walls on steel feet that would make for some very concentrated weight on those feet.



### **Product Selection:**

Taking into consideration all of the above details of the job we elected to go with a thin film coating. We knew that any thick film coating would only allow for the weight of the walls to leave imprints in the coating. We would be relying on the concrete sub straight to carry the load. Now that we narrowed down to thin film coatings we needed to select the most abrasive resistant coating that we could use. **We selected for this the fluoropolymer coatings that show some of the best scratch resistant properties on the market.** Due to the fact we were dealing with an auditorium the gloss of the coating was also a concern. We used flatteners in the coating to achieve a “semi gloss” finish. The primer selected was 2 part 100% solids epoxy primer.

### **Result:**

Do date we are having good results with the coating selection. They have moved the walls numerous times now and are seeing no damage to date.

