



Market: Fireproofing
Product: A/D FIREFILM® II

The Inn of the Mountain Gods - Underground Parking Garage Mescalero, New Mexico

The Inn of the Mountain Gods underground parking garage in Mescalero, NM is one of the largest intumescent fireproofing applications ever completed in North America, representing \$4.5m of a \$250m hotel / casino development project. Clayton Coatings of Mukilteo, WA was the fireproofing contractor. The very successful application was completed in 100 working days with a 4-man management team and 26 craftsmen spraying A/D FIREFILM II to columns and beams throughout the underground parking structure. Graco heavy duty air operated pumping equipment was used.



The Inn of the Mountain Gods Hotel and Casino in Mescalero, New Mexico. The \$250m project had \$4.5m of fireproofing work and the largest underground steel parking structure ever built in the United States.

Centex Construction of Houston, TX managed the overall project and was very satisfied with the fireproofing application completed by Clayton Coatings. Because of A/D FIREFILM II's low VOC content, intumescent fireproofing application could be completed while other trades continued work. The 100-day application project was completed, inspected and signed off only 11 days after the final concrete pour at the garage ceiling level. Clayton Coatings employed two full-time quality control inspectors to ensure the A/D FIREFILM II was installed to the specified thickness and finish. Temporary enclosures were built to heat large areas of the garage to ensure ideal product drying conditions. This attention to detail and constant quality review resulted in a zero defect inspection by the owner.

With an application time of 100 working days, the parking garage is one of the largest intumescent projects done in North America. Graco heavy duty air operated pumping equipment was used to apply the material.

“Since the intumescent coating is virtually the architectural finish for the entire garage, quality control and attention to detail was of paramount importance to the Mescalero Apache Tribe. [Clayton Coating’s] execution of this work in addition to the cementitious fireproofing was performed in an exceptional manner while overcoming several demanding challenges.”

Jason Harper,
Senior Project Manger,
Centex Construction Company



Clayton Coatings employed two full-time quality control inspectors to ensure the A/D FIREFILM II was installed to the specified thickness and finish. This constant quality review resulted in a zero defect inspection by the owner.

Key To Successful Large Scale Intumescent Fireproofing Project

- Use of approved steel primer.
- Steel cleaned and touched up prior to application. Intumescent fireproofing does not hide steel imperfections.
- Environmental conditions controlled for drying. Use of temporary enclosures if required.
- Constant monitoring of applied thicknesses.
- Co-ordination with other trades working in the area.



The substrate was shop primed structural steel which was cleaned and touched up prior to application of A/D FIREFILM II.



350 Hanley Industrial Court, St. Louis, MO 63144-1599
314/644-1000 314/644-4617 (fax) www.carboline.com

An **RPM** Company