

Kid Mania Commercial Insulation Project

Category: Wall and Ceiling Insulation

Customer: Kid Mania, Plano, Texas

Products: DuraTite™ 2.0 and BioBased 501w® by Rhino Linings

Project

McCune Construction Services Group of Fort Worth, Texas, was constructing a 26,000 square foot Kid Mania facility in Plano, Texas. The company needed a good insulation to seal and insulate the cavernous steel-framed structure with high ceilings. It also needed the insulation to be installed quickly and efficiently in order to keep the entire project on schedule.



Application

McCune contacted Five Star Foam, a Rhino Linings insulation contractor. Five Star Foam suggested a combination of DuraTite 2.0 closed cell insulation and BioBased 501w open cell insulation for the job. DuraTite 2.0 reduces vapor drive and adds structural strength to the steel-framed structure, while BioBased 501w open cell insulation helps cost-effectively reach the desired R-value.

As if the 26,000-square foot insulation job wasn't challenging enough, the next biggest hurdle was safely accessing and spraying the 30-foot tall ceilings. Five Star Foam mobilized two spray rigs with one reactor each and two, three-person crews to the site. Scissor lifts were used to access the ceiling. Even though using them took a bit more time than normal, the entire wall and ceiling insulation project was completed in five days.



Results

Five Star Foam installed 1 inch of DuraTite 2.0 and 3.5 inches of BioBased 501 in the walls to reach an R-value of 19. In the roof, 3.5 inches of open cell insulation was installed to reach an R-value of 13 and create a sealed thermal envelop for the children's indoor play area. The Kid Mania project was completed on schedule and was open for business in May, just in time for their peak season - summer vacation.



More About Rhino Linings™ Products Used:

• **BioBased 501w®** – This 0.5 lb. density open cell, water-blown, semi-rigid spray foam insulation is ICC Rated. BioBased 501w by Rhino Linings has an R-value of 13 when installed at 3.5 inches, and an R-value of 20 when installed at 5.5 inches.

• **DuraTite™ 2.0** – The 2.0 lb. density closed cell is applied using a 245fa blowing agent. The rigid spray foam insulation is ICC Rated and has an R-value of 20 when installed at 3 inches. It is GREENGUARD and GREENGUARD Gold certified for indoor air quality.

Call 877-358-1320 to learn more about becoming a Rhino Linings contractor. Visit www.rhino linings.com/local to find a Rhino Linings contractor in your area.

Rhino Linings SPF products are spray polyurethane foams. During application, precautions should be taken by applicators, helpers and building occupants to protect them from fumes, mists and spills. For more information view our product Safety Data Sheets (SDS) at www.rhino linings.com/spf.



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