

# Kohls Foam Systems

## Full Circle Farms

### Redfield, South Dakota



Installers: **Jon Kohls, Adam Kostecka**  
Type of Job: **container insulation**  
Square footage of Job: **14784 bd. ft.**  
Equipment Used: **Gusmer 2035 pro**  
Number of people needed for the Job: **2**  
Number of days required by the Job: **1**  
Foam and coatings used: **BASF PFE**



#### Project Description:

Case History: The Full Circle Farm

Dick Emerich is an innovator. When he needed lodging for his guests at his Full Circle Farm pheasant hunting operation, he was not thinking conventional buildings. Dick researched and ultimately purchased eight overseas shipping containers that are used to transport electronics from Japan to the United States. These vessels are made of heavy steel with extremely secure steel doors. Dick's ideas were to remodel the interior using stud wall construction, sliding glass doors, hardwood flooring and marble counter tops and make the containers into "luxury lodging for two".

Enter Kohls Foam Systems! Kohls explained that they could insulate the containers from top to bottom using BASF 2.0 pound density closed cell polyurethane foam and achieve the highest possible R-value while eliminating the chance for condensation. The containers were lifted and supported to spray the underside while the sides were sprayed from the interior. The buildings are heated using direct vent gas fireplaces.

The weather in the northern Dakotas can range from highs in the 100's to lows of -40F. Insulation is of the utmost importance when you are planning on sleeping in a steel container. Dick states that "we wanted high quality and luxury accommodations for our guests." "Nothing else would provide the comfort and long term performance of the sprayed polyurethane foam insulation." "Kohls Foam Systems had the right solution for our situation." Dick was so satisfied he invited the entire Kohls Foam Systems crew out to his ranch for some deer and pheasant hunting. The photographs will prove that success breeds success!



*Industry Excellence Awards*

Category: Tanks and Vessels