

Energy Shield, Inc.

Kresge Library

Oakland University, Rochester MI



Installer: **Energy Shield, Inc.**
Type of Job: **Perimeter wall insulation**
Square footage of Job: **4000**
Equipment Used: **Gusmer foam equip**
Number of people needed for the Job: **3**
Number of days required by the Job: **6**
Special Requirements: **none**



Foam and coatings used: **Bay Systems foam**

Project Description:

Retro-fit perimeter insulation onto the walls of the Kresge Library, at Oakland University, Rochester MI. **PROBLEM:** Original walls on the 1960's era library did not have any insulation. The walls were cold and moisture vapor was transmitting through the walls causing problems with the exterior bricks and interior walls. The wall surface retrofitted was about 4000 sq. ft. and all existing bricks were removed/disposed, exposing the back side of the interior plaster wall. Additionally, the existing brick ties and support framing were removed and replaced with new steel framing rods and wires (to which a new brick wall will be attached) were installed.



Benefits of using Foam:

An average of 1-1/2" of spray foam was then applied onto the backside of the interior wall surface locking in the new metal framing and brick tie-downs to the interior plaster wall. The foam also provided structural strength to the wall assembly, perimeter insulation, and functioned as a moisture vapor retarder. Job was completed the summer of 2007.



Industry Excellence Awards

Category: Commercial Wall Foam