

**R S S**

Case Study | Sigma Aldrich - DeKalb Plant

**Roofing Services & Solutions.**

St. Louis

*Another MHS Legacy Group Company*



# Sigma Aldrich - DeKalb Plant

St. Louis, Missouri

[www.roofingsands.com](http://www.roofingsands.com)

314-633-4994

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## Sigma Aldrich - DeKalb Plant St. Louis, MO

Roofing Contractor: RSS Roofing Services & Solutions  
Project Size: 8,800 square feet  
Products: Siplast SBS modified gravel roof system

This project was comprised of an extremely challenging removal and installation of a new Siplast SBS modified gravel roof system. The extensive amount of mechanical equipment and projections on this roof made the overall process quite challenging. The project consisted of 8,800 sq. ft. and involved the complete removal of all existing roofing down to the wood deck structure. The wood deck was in such poor condition that RSS had to install

new  $\frac{3}{4}$ " plywood over the entire wood deck area in addition to the 1,150 board feet of deteriorated deck lumber that was replaced. RSS then installed a new roof system comprised of new insulation mechanically attached to the roof and a new 2 ply SBS cold applied roof membrane system.

The difficulty of effectively flashing the extensive number of penetrations and keeping them watertight was met. Included in the 20 year roof system warranty was the use of a liquid PMMA resin roof flashing system. This flashing system involves proper surface preparation in order to meet the manufacturer's strict requirements in order to qualify for the total system warranty.

After the flashing of all penetrations was completed, RSS installed gravel surfacing to the roof which not only provides protection from foot traffic but also contributes to meeting UL fire ratings required by local building code.

