



Project Profile

Thin Shell Concrete Structure



The completed Acrylabs System enhances the roof's unique curves and features

Project Specifications:

- ◆ St. Athanasius Church, Reading, MA
- ◆ Thin Shell Concrete
- ◆ Hyperbolic Paraboloid "Saddle Roof"

About the project:

Saddle roof's were introduced in the early 1960's. Some of the older coatings used for waterproofing proved to be problematic. The 2"-3" thick, suspended concrete cannot support the weight of conventional roofing so a local architect recommended the Acrylabs Membrane to provide a more durable, maintainable and lightweight roof. The Acrylabs application was an inspiring solution to a longstanding problem and church attendance and donations improved following the completion of the project.



A thorough power washing revealed multiple layers of failed waterproofing attempts



An excellent example of how the Acrylabs Fabric Reinforcement contours to the unique shapes of this roof

Experienced applicator using a spray technique to embed Fabric Reinforcement

